CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Schools, Chicago, Ill., Bd. Educ., plans, $22,525,000.

Bridge, Richmond, Calif., San Rafael Bridge, Inc., plans $12,000,000.

Paving, 200 mi., Edinburg, Tex., bond election in March $5,000,000 to $6,000,000.

Market, St. Louis, Mo., J. R. Baldwin, having preliminary plans prepared, $2,500,000 to $3,000,000; relocating railroad, $2,000,000.

Streets, Los Angeles, Calif., plans opening and widening, $4,000,000.

Hospital and nurses dormitory, Cleveland, O., University Hospitals of Cleveland having plans prepared, $3,300,000.

Club, Chicago, Ill., Syndicate c/o Hooper & Janusch having sketches made, $2,000,000

Waterworks, Aberdeen, Wash., making plans, $2,000,000.

Reclaiming San Francisco, Calif., City and San Francisco Co. making plans, $1,875,000.

Streets, Ventura, Calif., plans curbing, walks and paving, $1,500,000.

Waterworks, Port Townsend, Wash., making preliminary plans, $1,500,000.

Irrigation Works, Placerville, Calif., El Dorado Irrigation Dist. voted bonds, $1,300,000.

Business, New Haven, Conn., L. M. Sagal had tentative plans prepared, $1,250,000.

Paving, Goliad, Tex., Goliad Co. election in March, $1,250,000.

Club and hotel, Chicago, Ill., Olympia Beach Club having sketches made, $1,000,000.

Wharf, Toronto, Ont., Canada Steamship Lines, Ltd., plans wharf and warehouses, $1,000,000.

Paving, Cotulla, Tex., La Salle Co. election probably latter part of March, $1,000,000.

Bids Desired

Sewers, South Bend, Ind., Mar. 16 by Bd. Pub. Wks., $1,738,086.

Contracts

Apartment, New York, N. Y., Anthony Campagna will build by day labor, $2,500,000.

Plant, Los Angeles, Calif., South Western Eng. Co., erecting steel for main building to Baker Iron Wks., $600,000; high loft craneway to Union Iron Wks., total to exceed $1,500,000.

Dam, Portland, Ore., to Brent Bros., of Los Angeles, $1,440,375.

Theater and office, Lincoln, Neb., C. Stuart to Olson Constr. Co., $1,200,000.

Post office and Court house, Syracuse, N. Y., Treas. Dept. to Eastern Eng. Corp., $1,098,000.

Apartment, Chicago, Ill., Johnston Bros. to Lind Constr. Co. and others, $1,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close		*See Eng. News-Record*
Mar. 7	Clarenden, Va.	Feb. 24
Mar. 7	Kinston, N. C.	Feb. 17
Mar. 7	Beachwood (br. Cleveland), O.	Mar. 3
Mar. 7	Brainard, Neb.	Mar. 3
Mar. 8	Vancouver, B. C.	Mar. 3
Mar. 8	Hagerstown, Md.	Feb. 17
Mar. 8	High Point, N. C.	Feb. 17
Mar. 9	Gowanda, N. Y. Adv. Feb. 24 and Mar. 3.	Feb. 24
Mar. 9	Cleveland, O.	Mar. 3
Mar. 10	Massachusetts	Feb. 24
Mar. 10	Randolph, Kan.	Mar. 3
Mar. 10	Marianna, Ark.	Mar. 3
Mar. 15	Red Wing, Minn.	Feb. 17
Mar. 15	Crystal Lake, Ill. Adv. Mar. 3.	Mar. 3
Mar. 16	Thiells, N. Y. Adv. Mar. 3.	Mar. 3
Mar. 22	St. Louis, Mo.	Feb. 24
Mar. 22	Vancouver, B. C.	Mar. 3
Mar. 23	Providence, R. I. Adv. Mar. 3.	Mar. 3
Mar. 23	San Joaquin, Calif.	Mar. 3

Sewers

Mar. 7	St. Louis, Mo.	Feb. 17
Mar. 7	Litchfield, Minn.	Feb. 17
Mar. 7	O'Fallon, Ill.	Mar. 3
Mar. 7	Euclid, O.	Mar. 3
Mar. 7	Buffalo, N. Y.	Mar. 3
Mar. 8	Toronto, Ont.	Feb. 24
Mar. 8	St. Louis, Mo.	Feb. 24
Mar. 8	Nashville, Tenn.	Feb. 24
Mar. 9	Fostoria, O.	Feb. 10
Mar. 9	West Chester, Pa.	Feb. 17
Mar. 9	Cleveland, O.	Mar. 3
Mar. 9	Brooklyn, N. Y.	Mar. 3
Mar. 9	Baltimore, Md.	Mar. 3
Mar. 10	Campbell, Mo.	Mar. 3
Mar. 12	Waterbury, Conn.	Feb. 24
Mar. 14	Freeport, N. Y. Adv. Feb. 17 to Mar. 3.	Feb. 17
Mar. 14	Great Notch, N. J.	Feb. 17
Mar. 14	San Antonio, Tex.	Mar. 3
Mar. 14	Ft. Thomas, Ky. Adv. Mar. 3.	Mar. 3
Mar. 14	Williamsville, N. Y. Adv. Feb. 24 and Mar. 3.	Mar. 3
Mar. 15	Toledo, O. Adv. Feb. 17 to Mar. 3.	Feb. 17
Mar. 15	Nutley, N. J. Adv. Feb. 24 and Mar. 3.	Feb. 24
Mar. 16	South Bend, Ind.	Mar. 3
Mar. 17	Atlantic City, N. J. Adv. Mar. 3.	Mar. 3
Mar. 23	Hillside (mail Elizabeth), N. J. Adv. Mar. 3.	Mar. 3

Bids close		*See Eng. News-Record*
Mar. 24	Akron, O. Adv. Feb. 24 and Mar. 3.	Feb. 24
Mar. 29	Toledo, O. Adv. Mar. 3.	Feb. 24
Apr. 1	Kenmore, O.	Feb. 3
Apr. 1	Detroit, Mich.	Mar. 3

Waste Disposal

Mar. 7	Bloomfield, N. J.	Feb. 10
Mar. 15	Memphis, Tenn. Adv. Mar. 3.	Mar. 3
Mar. 16	Portland, Ore.	Feb. 17

Bridges

Mar. 7	Newton, Kan.	Mar. 3
Mar. 8	St. Louis, Mo.	Feb. 24
Mar. 8	Shelbyville, Ind.	Feb. 24
Mar. 9	Poughkeepsie, N. Y. Adv. Jan. 27 to Mar. 3.	Jan. 27
Mar. 9	Florida	Mar. 3
Mar. 10	Charleston, S. C.	Mar. 3
Mar. 10	Sidney, Ia.	Mar. 3
Mar. 11	Cincinnati, O.	Feb. 24
Mar. 15	Louisiana	Mar. 3
Mar. 15	Indiana	Mar. 3
Mar. 18	Morgantown, W. Va.	Mar. 3
Mar. 21	Los Angeles, Calif.	Mar. 3
Mar. 25	Hamilton, O. Adv. Mar. 3.	Mar. 3
Mar. 31	Kentucky	Feb. 24
Apr. 4	Pennsylvania Adv. Feb. 24 and Mar. 3.	Feb. 24

Railways

Mar. 21	California	Feb. 24

Excavation, Drainage, Irrigation, Levees, River and Harbor

Mar. 8	New York, N. Y.	Mar. 3
Mar. 9	Gothenburg, Neb.	Mar. 3
Mar. 11	Fort Lauderdale, Fla.	Mar. 3
Mar. 17	St. Charles, Ill. Adv. Mar. 3.	Mar. 3

Streets and Roads

Mar. 5	Salem, Ind.	Mar. 3
Mar. 5	Keokuk, Ia.	Mar. 3
Mar. 7	Brookville, Ind.	Feb. 24
Mar. 7	Ontario	Feb. 17
Mar. 7	Fowler, Ind.	Feb. 17
Mar. 7	New Jersey	Feb. 17
Mar. 8	Plymouth, Ind.	Feb. 17
Mar. 8	Vincennes, Ind.	Feb. 24
Mar. 8	Princeton, Ind.	Feb. 24
Mar. 8	Maryland Adv. Feb. 24 and Mar. 3.	Feb. 24
Mar. 8	Monticello, Ind.	Feb. 24
Mar. 8	South Dakota	Feb. 24

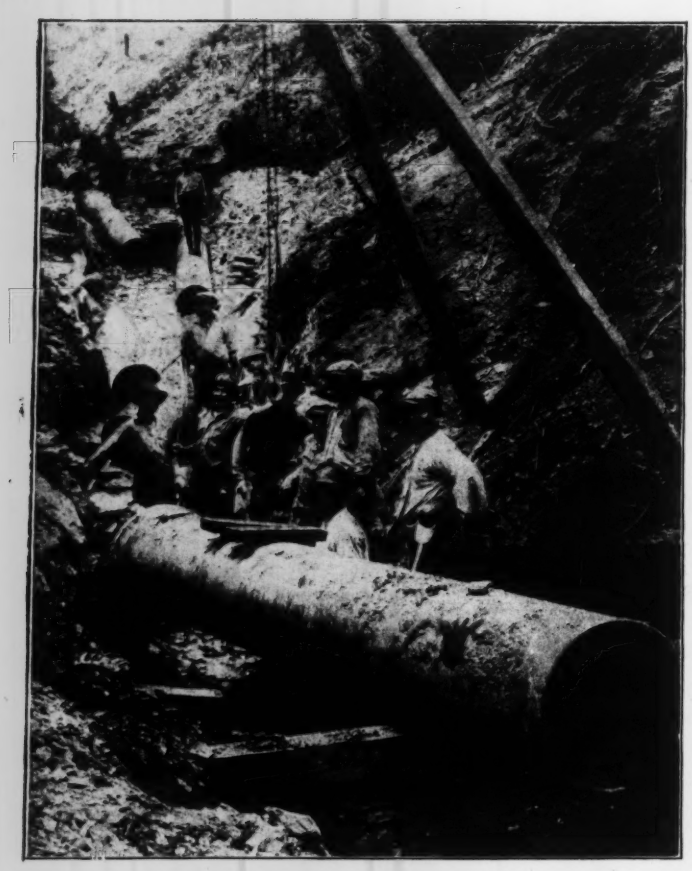
Bids close		*See Eng. News-Record*
Mar. 8	Emerson, Neb.	Mar. 3
Mar. 8	Orange City, Ia.	Mar. 3
Mar. 8	Norwood, Ia.	Mar. 3
Mar. 8	Galesburg, Ill.	Mar. 3
Mar. 8	Wisconsin	Mar. 3
Mar. 8	Chicago, Ill.	Mar. 3
Mar. 8	Guthrie Center, Ia.	Mar. 3
Mar. 8	Ottumwa, Ia.	Mar. 3
Mar. 8	Gulfport, Miss.	Mar. 3
Mar. 9	Paterson, N. J.	Mar. 3
Mar. 9	St. George, N. Y.	Mar. 3
Mar. 9	Shelbyville, Ind.	Feb. 24
Mar. 9	Indiana	Feb. 24
Mar. 9	Highland, N. Y. Adv. Feb. 17 to Mar. 3.	Feb. 17
Mar. 9	Freehold, N. J. Adv. Feb. 24 and Mar. 3.	Feb. 24
Mar. 9	Le Mars, Ia.	Mar. 3
Mar. 9	Keyport, N. J.	Mar. 3
Mar. 9	Brooklyn, N. Y.	Mar. 3
Mar. 9	New York, N. Y.	Mar. 3
Mar. 9	Baltimore, Md.	Mar. 3
Mar. 10	De Land, Fla.	Feb. 24
Mar. 10	South Carolina	Mar. 3
Mar. 10	Anderson, Tex.	Mar. 3
Mar. 10	Detroit, Mich.	Mar. 3
Mar. 10	Midland, Tex.	Mar. 3
Mar. 11	Wisconsin	Mar. 3
Mar. 14	Houston, Tex. Adv. Feb. 17 to Mar. 3.	Feb. 17
Mar. 14	Phillippi, W. Va.	Mar. 3
Mar. 14	Winfield, W. Va.	Mar. 3
Mar. 14	Bronxville, N. Y. Adv. Mar. 3.	Mar. 3
Mar. 14	New Jersey Adv. Feb. 24 and Mar. 3.	Mar. 3
Mar. 14	Houston, Tex.	Mar. 3
Mar. 14	Buffalo, N. Y.	Mar. 3
Mar. 14	Wash., D. C.	Mar. 3
Mar. 15	Abbeville, La.	Mar. 3
Mar. 15	Modesto, Calif.	Mar. 3
Mar. 15	Duluth, Minn.	Feb. 3
Mar. 15	Minot, N. D.	Jan. 13
Mar. 15	Birmingham, Ala.	Feb. 17
Mar. 15	St. Louis, Mo.	Feb. 17
Mar. 15	Pattenburg, N. J.	Feb. 17
Mar. 15	Birmingham, Ala.	Feb. 24
Mar. 15	Philadelphia, Miss.	Mar. 3
Mar. 15	St. Louis, Mo.	Mar. 3
Mar. 15	Anderson, Ind.	Mar. 3
Mar. 15	Sonoma, Calif.	Mar. 3
Mar. 15	Ventura, Calif.	Mar. 3
Mar. 15	Keokuk, Ia.	Mar. 3
Mar. 15	Anderson, Ind.	Mar. 3
Mar. 16	Delaware	Feb. 24
Mar. 16	Illinois	Mar. 3
Mar. 16	Wash., D. C.	Mar. 3
Mar. 21	Akron, O.	Mar. 3
Mar. 22	Florida	Mar. 3
Mar. 22	Peekskill, N. Y. Adv. Mar. 3.	Mar. 3
Mar. 31	Kentucky	Mar. 3
Apr. 1	Kentucky	Feb. 17

Special proposal advertising on page 178

TRADE "LEADITE" MARK

Registered U. S. Pat. Office

Jointing Water Mains



Laying 20-in. c. i. water mains with LEADITE joints thru rough and mountainous country

Whether you are building an entirely new system or making an extension, laying large or small mains, you will save time, money and labor by using LEADITE.

In making a LEADITE joint NO CAULKING is necessary. Just yarn the joint and pour it full of molten LEADITE; it is an easy and quick operation.

LEADITE allows you to lay more pipe per day. This means getting water into the line without delay.

The quicker you get water to the consumer, the sooner the line produces revenue.

LEADITE makes the work easier on the men by eliminating much of the drudgery of pipe laying. You know what this means in the cold of winter and the heat of summer, and in bad trenches.

The varied applicability of LEADITE makes it the ideal material for jointing cast iron B. & S. water mains.

You will use LEADITE sooner or later as its advantages cannot help but appeal to you favorably.

Familiarize yourself with LEADITE now.

LEADITE does not corrode or rust.

Users know LEADITE makes a good joint.

LEADITE joints improve with age.

LEADITE has been successfully tested and used for over 30 years.

Thousands of miles of pipe jointed with LEADITE are in service.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.

1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close		See Eng. News-Record
Apr. 1	Birmingham, Ala.	Feb. 24
Apr. 15	Canton, O.	Feb. 3
Apr. 15	Anderson, Ind.	Mar. 3
Apr. 17	Anderson, Ind.	Mar. 3
Apr. 20	Birmingham, Ala.	Mar. 3
May 1	Duluth, Minn.	Feb. 24

Buildings—Commercial

Mar. 7	Crown Point, Ind.	Feb. 10
Mar. 7	Phila., Pa.	Mar. 3
Mar. 8	Bristol, Conn.	Mar. 3
Mar. 9	North Attleboro, Mass.	Mar. 3
Mar. 9	Columbus, O.	Feb. 17
Mar. 9	Detroit, Mich.	Mar. 3
Mar. 10	East Chicago, Ind.	Feb. 17
Mar. 14	Detroit, Mich.	Feb. 24
Mar. 15	Rochester, N. Y.	Feb. 3
Mar. 15	Birmingham, Ala.	Feb. 17
Mar. 15	Dallas, Tex.	Feb. 10
Mar. 15	Preston (mail Oxford), N. Y. Adv. Mar. 3.	Mar. 3
Mar. 15	Baltimore, Md.	Mar. 3
Mar. 16	Chicago, Ill.	Feb. 24
Mar. 16	Duluth, Minn.	Mar. 3
Mar. 22	Concord, N. H.	Mar. 3
Apr. 1	Wilmington, Del.	Jan. 27
Apr. 1	Canton, O.	Jan. 20
Apr. 1	New Castle, Pa.	Feb. 17
Apr. 30	Louisville, Ky.	Feb. 17
May 1	La Junta, Colo.	Feb. 3

Buildings—Industrial

Mar. 5	Cleveland, O.	Mar. 3
Mar. 15	Dover, O.	Feb. 17
Mar. 24	Columbus, O.	Mar. 3

Buildings—Educational, Religious

Mar. 8	Columbus, O.	Feb. 17
Mar. 8	Hamden (br. New Haven), Conn.	Feb. 24
Mar. 8	Worcester, Mass.	Mar. 3
Mar. 10	Munice, Ind.	Mar. 3
Mar. 10	Moorhead, Miss.	Mar. 3
Mar. 11	Lafayette, Ind.	Mar. 3
Mar. 12	Versailles, O.	Feb. 17
Mar. 12	Lakewood (br. Cleveland), O.	Feb. 24
Mar. 14	Portland, Ore.	Mar. 3
Mar. 14	Shaker Heights (br. Cleveland), O.	Feb. 24
Mar. 14	Hollidaysburg, Pa.	Mar. 3
Mar. 14	Derby, Conn.	Mar. 3
Mar. 15	Louisville, Ky.	Feb. 3
Mar. 15	Zanesville, O.	Feb. 3
Mar. 15	Marysville, O.	Feb. 17
Mar. 16	San Francisco, Calif.	Feb. 17
Mar. 16	Akron, O.	Feb. 24
Mar. 17	Fresno, Calif.	Feb. 24
Mar. 17	Ashville, O.	Mar. 3
Mar. 20	Gardner, Mass.	Feb. 17
Apr. 1	Virginia, Minn.	Feb. 3
Apr. 1	Pendleton, Ind.	Mar. 3
May 1	Monroe, Mich.	Jan. 13

Federal Government Work

Bids close		See Eng. News-Record
Mar. 4	Pipe Line—Wash., D. C. Adv. Feb. 10 to Mar. 3.	Feb. 10
Mar. 7	Post Office—Winchester, Mass.	Feb. 17
Mar. 8	Roofing, etc.—Norfolk, Va.	Feb. 17
Mar. 8	Tank and Tower—Maywood, Ill.	Feb. 17
Mar. 9	Lock—Pittsburgh, Pa. Adv. Feb. 10 to Mar. 3.	Feb. 10
Mar. 9	Transmitting Station—Lakehurst, N. J.	Feb. 17
Mar. 9	Disposal Plant—Annapolis, Md.	Mar. 3
Mar. 10	Scout Cruisers, etc.—Wash., D. C.	Dec. 30
Mar. 10	Dredging—Albany, N. Y. Adv. Feb. 10 to Mar. 3.	Feb. 10
Mar. 11	Post Office—Globe, Ariz.	Feb. 17
Mar. 14	Lighting—New York, N. Y.	Mar. 3
Mar. 15	Turbine, etc.—Denver, Colo.	Feb. 17
Mar. 15	Dwellings—Edgewood, Md. Adv. Feb. 17 to Mar. 3.	Feb. 24
Mar. 15	Road—Nevada	Mar. 3
Mar. 16	Buildings, etc.—San Diego, Calif.	Jan. 27
Mar. 16	Water Purification Plant—Darien, C. Z.	Feb. 17
Mar. 16	Post Office—Mt. Carmel, Ill.	Feb. 17
Mar. 16	Gates—Pittsburgh, Pa. Adv. Feb. 23 and Mar. 3.	Feb. 17
Mar. 16	Perforating Casing — Keyport, Wash.	Feb. 17
Mar. 16	Foundation, etc.—Milwaukee, Wis.	Mar. 3
Mar. 18	Dredging—Albany, N. Y. Adv. Feb. 17 to Mar. 3.	Feb. 17
Mar. 22	Post Office—Montclair, N. J. Adv. Feb. 24 and Mar. 3.	Feb. 24
Mar. 22	Machinery, etc.—Louisville, Ky. Adv. Feb. 24 and Mar. 3.	Feb. 24
Mar. 24	Post Office—Bayonne, N. J. Adv. Mar. 3.	Mar. 3
Mar. 29	Buildings, etc.—Sunmount, N. Y. Adv. Mar. 3.	Mar. 3
Apr. 4	Post Office—East Las Vegas, N. M.	Mar. 3
Apr. 5	Buildings, etc.—Alderson, W. Va. Adv. Mar. 3.	Mar. 3
June 1	Quarters—Canacao, P. I. Adv. Mar. 3.	Mar. 3

Unclassified

Mar. 4	Subway—New York, N. Y.	Feb. 24
Mar. 8	Culverts—Orange City, Ia.	Mar. 3
Mar. 9	Lighting System—Galesburg, Ill.	Mar. 3
Mar. 10	Refrigeration Unit—New York, N. Y. Adv. Feb. 24 and Mar. 3.	Feb. 24
Mar. 10	Stadium—Payonne, N. J.	Mar. 3
Mar. 11	River Terminal, Dubuque, Ia.	Feb. 17
Mar. 14	Signal Tower—Flushing, N. Y.	Mar. 3
Mar. 15	Transit Shed—Mobile, Ala. Adv. Mar. 3.	Feb. 24
Mar. 16	Exit Facilities, etc.—Poughkeepsie, N. Y. Adv. Feb. 24 and Mar. 3.	Feb. 24
Mar. 16	Exit Facilities, etc.—Ogdensburg, N. Y. Adv. Feb. 24 and Mar. 3.	Feb. 24
Mar. 18	Culverts—Knoxville, Ia.	Mar. 3
Mar. 21	Lighting System—Los Angeles, Calif.	Mar. 3
Mar. 21	Property Improvements—Cleveland, O.	Mar. 3
Mar. 23	Refrigeration Plant—Middletown, N. Y.	Feb. 24
Mar. 30	Electrical Work—Buffalo, N. Y. Adv. Mar. 3.	Mar. 3

Materials

Mar. 4	Chlorine—Akron, O.	Feb. 24
Mar. 7	Special Castings—Akron, O.	Feb. 24
Mar. 7	Trap Rock—Jersey City, N. J.	Mar. 3
Mar. 8	Paving Brick—Michigan	Mar. 3
Mar. 8	Culvert Pipe—Ft. Dodge, Ia.	Mar. 3
Mar. 8	Bridge Lumber, etc.—Pocahontas, Ia.	Mar. 3
Mar. 8	Road and Fuel Oil—St. Paul, Minn.	Mar. 3
Mar. 8	Granite Blocks and Broom Bass—Montreal, Que.	Mar. 3
Mar. 9	Bridge Lumber, etc.—Ida Grove, Ia.	Mar. 3
Mar. 9	Crushed Stone—Freehold, N. J. Adv. Mar. 3.	Mar. 3
Mar. 9	Portable Culverts—Rochester, Minn.	Mar. 3
Mar. 10	Road Oil—Minneapolis, Minn.	Mar. 3
Mar. 11	Road Oil—Milford, Conn.	Mar. 3
Mar. 11	Stone and Gravel, etc.—Toronto, Ont.	Mar. 3
Mar. 11	Bituminous Material, etc.—Albany, N. Y. Adv. Feb. 24 and Mar. 3.	Feb. 24
Mar. 15	Gasoline, Kerosine, etc.—Iowa	Feb. 24
Mar. 15	Pump and Motor—Sea Girt, N. J. Adv. Feb. 24 and Mar. 3.	Feb. 24
Mar. 15	Chestnut Poles—Richmond, Va.	Mar. 3
Mar. 18	Culvert Pipe—Knoxville, Ia.	Mar. 3
Mar. 22	Road Signs, Steel Posts, etc.—Iowa Adv. Mar. 3.	Mar. 3

News of the Week

Waterworks

Proposed Work

N. J., Morristown—Bd. Alderman plans 10 mi. 8- to 18-in. water-mains and dam. $250,000.

W. Va., Cedar Grove—Election Mar. 24, $24,000 bonds waterworks, incl. reservoir, etc. W. R. Ramsey, city recdr.

W. Va., Fairmont—Election Mar. 15, $300,000 bonds, improving waterworks and sewerage systems. L. C. Arnett, city clk.

O., Columbus—C. Hoover, supt. Water Works Dept., plans 1 m.g. probably concrete storage tank to be supplied by 16 in. main by gravity aided by booster pumping station on Chittenden Ave. $500,000.

Ind., Colfax—Municipal Serv. Co., engrs., 413½ Wabash Ave., Terre Haute, preparing plans complete new system, here, for City. $30,000. I. T. Pendry, chn.

Ind., Westfield—Municipal Serv. Co., engrs., 413½ Wabash Ave., Terre Haute, preparing plans complete new waterworks, here, for City. $25,000. B. Inman, clk.

Ind., Valparaiso — City Council, F. E. Kenny, city clk., City Hall, making plans 1 m.g. elevated steel tank, pumping station and concrete reservoir. $200,000. A. R. Putnam, City Hall, engr.

Mich., Detroit—Bd. Water Comrs., G. H. Fenkell, gen. mgr., 176 East Jefferson Ave., plans 2nd water intake, emergency pumping station to supplement present plant, and tunnel extending from waterworks to intake at head of Detroit River.

Mich., Grand Haven — Making plans water filtration plant. $100,000. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., engrs.

Ill., Galesburg — Making plans pumping station. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.

Ia., Clarion—Making preliminary plans 130 ft. deep well, pumping equipment, etc. $15,000.

Minn., Winona—City, G. R. Hofmann, clk., plans water softening plant. $100,000.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Okla., Centrahoma—Making preliminary plans new waterworks, incl. well, tank, pump, 8,300 ft. 2- to 6-in. mains, etc. $18,000. G. Ryder, mayor. Engineer not selected.

Okla., Maud—Voted $15,000 bonds, new well, and main extensions. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Feb. 3.

Wash., Aberdeen — City Council plans waterworks, incl. approximately 14 mi. pipe line. $2,000,000. C. S. Watkins, supt. Water Dept.

Wash., Olympia—Plans election not less than $700,000 bonds, 30 m.g. reservoir, and 12 m.g.d. supply from lakes, etc. C. I. Signer, city engr. J. L. Stannard, Olympia, consult. engr.

Wash., Port Townsend — Making preliminary plans water supply, approximately 45 mi. pipeline on Quilcene and Little Quilcene Rivers. $1,500,000.

Wash., Seattle—Lake Forest Park Water Co. making plans waterworks, incl. 125,000 gal. steel standpipe; 13,800 ft. 4- to 8-in. steel pipe; and 10,000 gal. wooden storage tank, pump house, pump unit, etc. $35,000. W. T. Batcheller, 929 Dexter Horton Bldg., engr.

Wash., Seattle—See "Streets and Roads."

Calif., Armona—Plans election $30,000 or more bonds, waterworks.

Calif., Burlingame—Plans election $225,000 bonds reservoir, renewals and additions to pipe lines, etc.

Calif., Grass Valley—Making estimates new mains, concrete reservoirs, etc. $40,000 or more. T. H. McGuire, Grass Valley, engr.

Calif., Hawthorne — Plans purchasing booster pump, motor and appurtenances to pump 450 g.p.m. against 130 ft. head. G. S. Miller, city supt. waterworks.

Calif., Oakland — East Bay Municipal Utility Dist., plans Lafayette Dam, earth fill type, 140-150 ft. high, 2,000,000 cu.yd. earth fill. A. P. Davis, Ray Bldg., ch. engr.

Calif., Orange — Plans purchasing deep well pump, electric motor, etc., for City Well 4. W. J. Richardson, city water supt.

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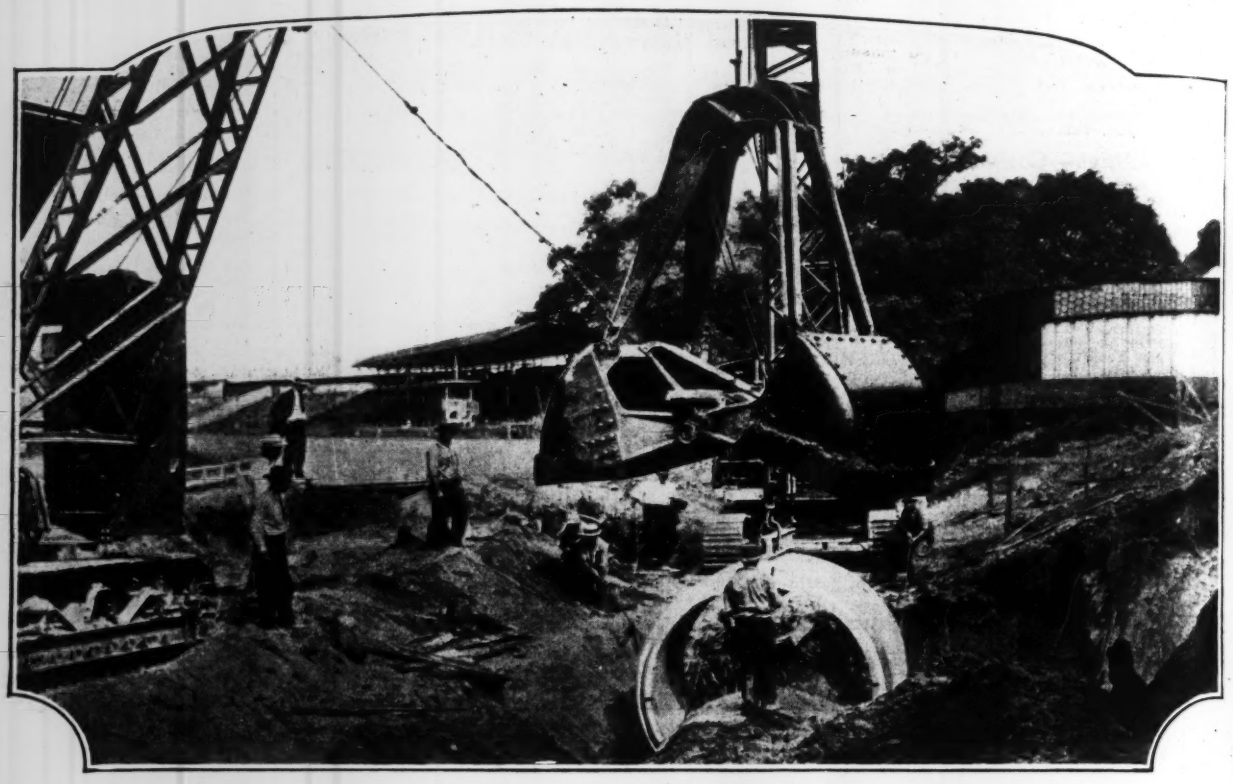

Better Sewers—Laid Faster!

Using two machines, one for excavating and one for pipe-laying, the contractor, Carl D. Traxler, made quick time in building this 90-inch INDEPENDENT Concrete Pipe Sewer in South Bend, Indiana.

Only a very short length of trench was kept open—just as quickly as a section of trench was dug and prepared, pipe units were laid and joined, and the trench back-filled. No waiting for the joints to set—once sealed, INDEPENDENT Pipe Joints *hold* their alignment.

Speedy, efficient work like this is possible on every sewer job where INDEPENDENT Concrete Pipe is used. The "Recessed Joint" enables the contractor to save time, labor and material—build a better sewer at lower cost.

This joint is simplicity itself. It facilitates fitting the pipe, and simplifies the sealing of each joint—the UPPER half of the recess is sealed OUTSIDE the sewer; the LOWER half is filled inside the pipe. Cave-ins, wet or muddy trenches do not interfere with sealing the joints. The entire joint is visible for inspection.

There are many other time and money-saving features you should know about. Send the coupon.

INDEPENDENT CONCRETE PIPE CO.
202 North West St., Indianapolis, Ind.

Mail to
Independent
Concrete Pipe Co.
Indianapolis, Ind.

Send me full information on INDEPENDENT Concrete Sewer Pipe—without obligation.

Name .....

Address .....

INDEPENDENT
Reinforced Concrete Sewer Pipe

Waterworks (Continued)

Calif., Santa Ana—City plans purchasing deep well turbine type pump, 120 hp. and 160 hp. (gas) engines. E. L. Vegely, city clerk.

Ont., Goderich — Water Comn. plans auxiliary pumping plant, E. H. Darling, 72 James St. N., Hamilton, engr.

Bids Desired

R. I., Providence — Mar. 23, at office Water Supply Bd., City Hall, Longview Reservoir, in North Providence. W. W. Peabody, ch. engr.; adv. E. N.-R. Mar. 3. Noted Dec. 16.

N. Y., Thiells—Mar. 16, by Dept. Mental Hygiene, Capitol, Albany, constructing earth dam, concrete spillway and diversion dam, etc. at Letchworth Village, in Haverstraw, about 3 mi. west of here. L. M. Farrington, secy.; adv. E. N.-R. Mar. 3.

O., Beachwood (br. Cleveland)—Mar. 7, by Village, booster pumping station and 1 m.g. pump. W. Courtney, 1770 East 11th St., Cleveland, engr. Noted Jan. 27.

O., Cleveland — Mar. 9, by Comrs. Cuyahoga Co., 4,000 ft. 6 in. c.i. main in Stone Rd., Impvt. 456; and 2,000 ft. 8 in. Glen Alta Ave., Impvt. 578. F. Williams, Court House, engr.

Ill., Crystal Lake — Mar. 15, by City Council, City Hall, waterworks improvements. Randolph-Perkins Co., 1444 1st Natl. Bank Bldg., Chicago, engrs.; adv. E. N.-R. Mar. 3.

Kan., Randolph—Mar. 10, by L. E. Boles, city clk., 16,630 ft. 2- to 6-in. c.i. mains, 18 hydrants, 21 gate valves and boxes, deep well pump, motor, brick and concrete pump house, 10 in. 60 ft. well, tank on tower, etc. $30,000. W. B. Rollins & Co., 521 Railway Exch. Bldg., Kansas City, Mo., engrs. Noted Feb. 10.

Neb., Brainard—Mar. 7, by City Clerk, 50,000 gal. rein.-con. reservoir, 120 g.p.m. motor-driven centrifugal pump, 15 kva. transformer, 1,140-2 conductor electric cable, 1,135 ft. 4 in. c.i. mains. $20,000. Grant, Fulton & Letton, 525 South 13th St., Lincoln, engrs. Noted Feb. 24.

Ark., Marianna—Mar. 10, by O. C. Sutton, pres., and H. B. Shumaker, secy. Waterworks Impvt. Dist. 2, distribution system, filter plant, fire pump, deep well pump building, station piping, etc. $100,000. T. H. Allen, 840 Bank of Commerce & Trust Bldg., Memphis, Tenn., engr.

Ark., Springdale — See "Contracts Awarded."

Nev., Lovelock—Taking bids 30,000 gal. steel water tank on 75 ft. tower. King & Malone, Cladianos Bldg., Reno, engrs.

Calif., Atascadero — Atascadero Mutual Water Co. taking new bids 16,450 ft. 4 in. 150 ft. hd. MB fir pipe with red wood collars, etc. Former bids rejected.

Calif., San Joaquin—Mar. 23, by A. F. C. Greene, secy. James Irrigation Dist., 1 screw head pump to operate under 5 to 9 ft. head, approximate capacity 15 sec.ft. with direct connected 440 volt, 60-cycle 40-deg. speed motor (450 to 600 r.p.m. and automatic started), f.o.b. San Joaquin. H. M. Crocker, dist. engr.

B. C., Vancouver—Mar. 8, by City Council, 50 hydrants. C. Brackenridge, City Hall, engr.

Contracts Awarded

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Surf Ave., to Riverdale Water Works Corp., 355 East 113th St., New York City, $31,990.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, boiler setting, etc., Contr. 352 to S. Faith Co., Inc., 2427 Pennsylvania Ave., $15,140; 24 and 48 in. pipe, Contr. 364, to P. & A. J. Ellis, 4th and Wyoming Aves., $299,571; rip-rap in Torresdale Pumping Sta., Contr. 365, to Curtis Bros., State and Unruh Rds., $4,750; transformers, etc. Contr. 366, to General Electric Co., 1321 Walnut St., $2,610; turbo-centrifugal boiler feed pump, Contr. 367, to Acme Machine Co., 316 North 17th St., $3,700; 50,000 lb. pig lead, Constr. 368, to L. Goldstein & Sons, Allegheny Ave. Bldg., $3,750; rein.-con. work, Contr. 370 to H. R. Heinke, Inc., 342 Madison Ave., New York City, N. Y., $3,495; and piping materials, Contr. 371, to Wolworth Co., 245 Arch St., $2,700. Grand total $335,716. Noted Feb. 10.

Miss., Biloxi — Waterworks extensions, incl. 200,000 gal. rein.-con. reservoir at old pumping station, on Main St., to F. Mack, Biloxi, $9,314, 240,000 gal. steel tank, to Birmingham Tank Co., 720 Avenue D., Birmingham, Ala. $4,000, also two 2,500 g.p.m., one 1,500 g.p.m., one 1,000 g.p.m., and two 300 g.p.m. centrifugal pumps, etc., to Dayton-Dodd Co., Whitney Bldg. Annex, New Orleans, La. $21,688. Grand total $35,000. Noted Sept. 16.

Miss., Iuka—Drilling deep well for water supply guaranteed to deliver 100 g.p.m., (depth and diameter optional with contractor), to Layne-Central Co., Chelsea St., Memphis, Tenn. Noted Nov. 25.

O., Columbus—W. H. Duffy, serv. dir., carbonization plant for Water Works Dept., to Middle-states Constr. Co., 524 East Hudson St., $19,486.

Ill., Chicago — For 11,000 tons 24- to 48-in. c.i. mains in various streets, to U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Blvd. at $44.45 per ton.

Ia., Jewell — C. V. Campbell, city clk., steel tank on tower, to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, $7,165; Downie double stroke pump and Westinghouse triple phase 15 hp. motor, to F. H. Ferbitz, Jewell, $2,533; also pump house and foundation for tower, to S. C. Thompson, Jewell, $780. Grand total $10,478. Noted Feb. 3.

Ill., Lake Forest—Filtration plant, incl. filters, reservoir, and head house, to Knowles & Fehr, 1257 29th Ave., Milwaukee, Wis., $41,771; filter equipment, to Norwood Eng. Co., Florence, Mass., $31,375. Engrs. est. $90,000.

Minn., Minneapolis — F. S. Gram, city purch. agt., 19,748 lin.ft. 48 in. pipe, to East Jersey Pipe Corp., 50 Church St., New York City, N. Y., for Water Dept., $226,784. Noted Jan. 27.

Minn., Minneapolis — F. S. Gram, city purch. agt., 71,592 ft. 6- to 24-in. c.i. pipe, to Amer. Cast Iron Pipe Co., 712 Plymouth Bldg., approximately $75,000. Noted Feb. 17.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, three traveling screens in intake chambers of Missouri River Pumping Sta. at Howards Bend, St. Louis Co., to Chain Belt Co., 736 Park Ave., Milwaukee, Wis., $16,180. Engrs. est. $20,000. Noted Feb. 17.

Ark., Springdale—Will lay 10 or 12 in. mains, and replace 6 in. mains in business district, also install 6 in. extensions in outlying sections, etc., by day labor. $50,000. L. A. Smith, city clk. Noted Dec. 9.

Wash., Wenatchee—City Comn., 5,130 ft. 16 and 20 in. mains between Douglas St. reservoir and Wenatchee Pumping Sta., to C. A. Power Co., Spokane, $50,050.

Ore., Portland—Constructing Bear Creek Dam, 1,000 ft. long and 250 ft. high, to Bent Bros. of Los Angeles, 418 South Pecan St., Los Angeles, Calif., $1,440,375. Noted Jan. 27.

Calif., Fairfield—Clerk Solano Co., water supply in Vallejo Annex, to E. K. Angle, Dos Palos, approximately $38,340. Noted Feb. 24.

Calif., Sacramento—For c.i. pipe, to U. S. Cast Iron Pipe Co., Monadnock Bldg., San Francisco, $50,207.

B. C., Vancouver — Greater Vancouver Water Dist., supplying and installing 14,200 ft. 30 in. wood stave pipe, to Pacific Coal Pipe Co., 1551 Granville St., $44,132; supplying 2,200 ft. 1¼ in. and 3,000 ft. 2 in. wire cable, to Elliot, Teetzell & Wilson, 1290 Homer St. $6,231, also 3,125 ft. 20 in. steel riveted pipe and c.i. flanges, to Vancouver Eng. Wks., 519 6th Ave. W. $17,315; clearing and grubbing right-of-way from Seymour intake to Seymour Falls, to Montizarubert & Rolston, 410 Seymour St., $113,096. Grand total $180,774.

Sewers

Proposed Work

N. J., Totowa (mail Paterson)—Totowa Boro takes bids about June 15, sewerage system and disposal plant. $280,000. H. J. Harder, 129 Market St., Paterson, consult. engr. G. Ferguson, boro engr.

W. Va., Fairmont—See "Waterworks."

Md., Baltimore — Making plans sanitary trunk sewer and storm water drain in Moores Run from Belle Vista to Harview Aves. $400,000. M. J. Ruark, 311 Courtland St., sewerage engr.

O., Cincinnati—Hamilton Co. plans Sewer 26, Dist. 4 in Western Hills, 2,450 ft. 8 in. c.i. and 11,013 ft. 6- to 8-in. vitr. clay pipe $41,167. L. C. Boyatt, Court House, engr.

O., Lakewood (br. Cleveland)—Plans intercepting sewer in Edgewater Dr. from Lakewood Park to Cove Ave. To exceed $100,000. F. A. Fisher, City Hall, engr.

Mich., Petoskey — Making plans sewage treatment plant. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., engrs.

Ia., Marshalltown — See "Streets and Roads."

Minn., West St. Paul (mail St. Paul)—Making plans sewerage system. $35,000 upward. J. Pederson, 210 Globe Bldg., St. Paul, engr.

Kan., Parsons—Making plans new sewerage disposal plant. $80,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

S. D., Millbank—City, A. A. Blomquist, aud., making plans sewerage system. $35,000. L. P. Wolff, 903 Globe Bldg., St. Paul, Minn., engr.

Mo., Kansas City—Making preliminary plans sewers in 45th St. and Jackson Ave., $30,000; Gilham Rd. Relief Sewer $250,000, Oak Street Sewer $80,000, Marborough Sewers $75,000, Troots Ave. Sewer $50,000, Beaumont Sewers $25,000, Ward Park Way Sewer $30,000, and 54th St. Sewer, $25,000; lateral sewers in vicinity 37th and Cleveland Sts. $25,000, 71st St. and Monroe Ave. $30,000, 73rd and Tracy Sts. $35,000, 66th St. and Askew Ave. $50,000, also 53rd St. and Chestnut Ave. $35,000. M. S. Murray, dir. Dept. Pub. Wks.

Mo., St. Joseph — Takes bids in March, 17,000 ft. vitr. clay or concrete main sewer from 22nd to Spring Sts. and from 28th to Commercial Sts., through municipal golf links, $52,000; also Whitehead Creek Sewer, approximately 70 ft. 16 ft. pipe, $14,000. W. M. Spann, City Hall, engr.

Mo., Springfield—Election in April, $250,000 bonds, approximately 2 mi. sewers in various streets and disposal plant. Russell & Axon, McDaniels Bldg., engrs.

Ark., Batesville—Plans 15,500 ft. 15 and 21 in. vitr. clay new outfall and intercepting sewers in Dists. 1, 2 and 3. $25,000. E. H. Glenn, Batesville, engr.

Tex., Abilene—See "Unclassified."

Tex., Galveston—Plans 3 sewer mains and number auxiliary drains in various streets. $550,000. C. A. Holt, Jr., Galveston, engr.

Tex., Pelly (br. Goose Creek)—Voted $35,000 bonds, sewers in various streets. F. T. Pelly, mayor.

Tex., San Antonio—See "Unclassified."

Okla., Maud—Voted $29,000 bonds, new sewerage system in all streets. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Feb. 3.

Wash., Seattle—See "Streets and Roads."

Wash., Seattle—See "Unclassified."

Calif., Chico — Plans election $229,000 bonds, sewage disposal plant, here. R. Witt, city engr. M. C. Polk, Chico, consult. engr.

Calif., Long Beach—Made plans approximately 30 mi. sewers in Pump Dist. 10, 154,018 lin.ft. 8- to 33-in. vitr. pipe, 4,476 lin.ft. rein.-con. pipe with vitr. liners, and 54 ft. "B" c.i. pipe, etc. R. D. Van Alstine, city engr. H. Patterson, city sanitary engr. Noted Feb. 10.

Calif., Los Angeles—Making plans 12,000 ft. sanitary sewers and house connections in Whitley Ave.; 41,000 ft. main line and house connections in Colorado Blvd., and Townsend Ave. (Eagle Rock Dist.); and approximately 5.7 mi. main sewer and house connections in Westwood Ave. and Santa Monica Sewer Dist. J. Shaw, city engr.

Calif., Los Angeles—Plans storm drains in Ventura Blvd., between Lankershim Blvd. and Saugus Ave., $375,000; Forman Ave. and Valley Spring Lane Storm Drain System, $70,000; May Canyon Storm Drain System, $65,000, Benedict Canyon Storm Drain System (this covers lower section), $750,000; Westwood and Sawtelle Storm Drain System 1, $1,300,000; Sawtelle Storm Drain Dist., $800,000; Venice Dist. (in connection with fills of canals), $130,000; Meyler St. and 21st St. Impvt. Dist. (Wilmington Dist.), $80,000; Sepulveda and Santa Cruz Sts. Impvt. Dist. (Wilmington Dist.), $65,000; Anaheim St. between east city limits and Railroad Ave. (Wilmington Dist.), $65,000; Parkdale Ave. Storm Drain System $300,000; Glendale Blvd. Storm Drain System, $150,000; Echo Park Ave. from Altivo Way to Sunset Blvd. Storm Drain, $160,000; Sect. 4, Jefferson St. Storm Drain System, Budlong Ave., $700,000; Sect. 5, Jefferson St. Storm Drain System between Grand and Long Beach Aves., $600,000; Oakwood and Laurel Ave. Storm Drain System area bounded by Fairfax Ave., Santa Monica, La Cienega and Beverly Blvds., $240,000; Wilcox Ave. Storm Drain System 1, Wilcox Ave. between Bronson and Seward Aves., Hollywood Hills and Melrose Aves., $500,000; Wilcox Ave. Storm Drain System Sect. 2.

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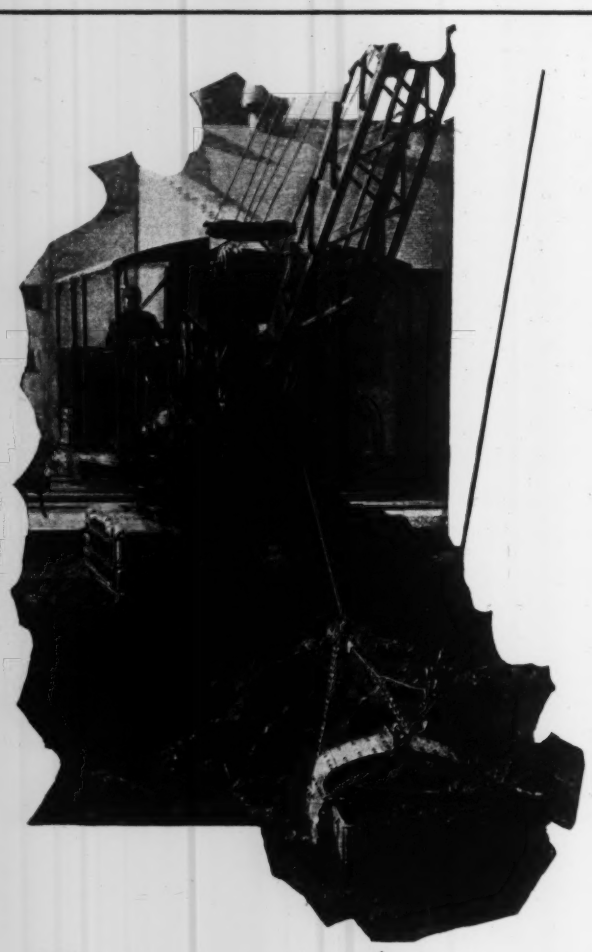

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Philadelphia, Pa. Packard Building
Pittsburgh, Pennsylvania Chamber of Commerce Bldg.
San Francisco, Calif. Monadnock Building
St. Louis, Mo. Railway Exchange
Tampa, Florida 823 S. Oregon Ave.

Sewers (Continued)

Wilcox Ave. between Country Club Dr. and Pico St., $200,000; El Sereno Valley Storm Drain System area south and east of Huntington Dr. between Burr St. and El Sereno Country Club, $250,000; Arroyo de los Posos Storm Drain System area south of Mission Rd. between Los Angeles River and east boundary city limits, $300,000; Lenard St. Storm Drain System, south of 6th St. between Figueroa St. and Los Angeles River, $1,800,000; Slauson Ave. Storm Drain System west from Angeles Mesa Dr. to Ballona Creek, $3,300,000; Sacatella Storm drain extension, main line from present outlet at Vineyard station to Ballona Creek, etc., $3,000,000; Annadale and York Blvd. Storm Drain, $400,000; Eagle Rock Storm Drain System, extending Verdugo Rd., and Glassell Ave. Storm Drain north of Longsdale Ave., $600,000; Dorchester Ave. Storm Drain System sections of South Pasadena, Alhambra, etc., $600,000. L. W. Armstrong, c/o City Engineers Office, engr.

Calif., Palo Alto—Plans 2,350 lin.ft. 10- to 18-in. concrete sewer in Waverly St. J. F. Bxybee, Jr., city engr.

Calif., Redwood City — Plans election $275,000 bonds, extending sewerage system from South San Francisco to Millbrae. Noted Feb. 3.

Calif., Stockton—Plans sewers in various streets. W. B. Hogan, city engr. $100,000.

Ont., Hamilton—Plans first portion concrete sewage disposal plant. $400,000. Total $1,000,000. W. L. McFaul, City Hall, engr.

Ont., Hamilton—Soon takes bids 5,000-6,000 ft. 8 in. and up vitr. tile sewer in Lottridge St., Beach Rd., Beachwood, Case, Glendale and Avondale Aves. $25,000. W. L. McFaul, City Hall, engr.

Ont., Swansea—Plans 4,500 ft. 8 in. and up vitr. tile sanitary and storm sewers in Durie St. $25,000. Wynne-Roberts, Son & McLean, 88 Church St., Toronto, engrs.

B. C., North Vancouver — Plans new sewerage system. $113,210. G. S. Hanes, City Hall, engr.

Bids Desired

N. Y., Brooklyn—Mar. 9, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in Avenue T, 83rd St., 23rd and Woodside Aves.

N. Y., Buffalo—Mar. 7, at office Dept. Pub. Wks., Municipal Bldg., 18 in. vitr. tile sewer in east side, and 10- to 24-in. in west side Staren Ave.; 10- to 15-in. sewer east and west sides Brayton St.; 18 and 20 in. sewer in Dorrance Ave.; and 10- to 12-in. in Highview Terrace. J. J. Love, comr. Pub. Wks.

N. Y., St. George — See "Streets and Roads."

N. J., Atlantic City—Mar. 17, by Bd. City Comrs., City Hall, extending storm water drainage system. J. H. Hackney, city engr.; adv. E. N.-R. Mar. 3.

N. Y., Williamsville—Mar. 14, at Village Hall, 39,000 lin.ft. 8- to 30-in. sanitary sewer, also sewage treatment plant, etc. W. G. Sheehan, village engr. G. C. Diehl, Inc., 557 Ellicott Bldg., Buffalo, consult. engrs.; adv. E. N.-R. Mar. 3. Noted Jan. 20.

N. J., Hillside (mail Elizabeth)—Mar. 23, by Twp. Co., Central Grammar School, Coe Ave., sanitary sewerage system. Luster & Luster, 286 North Broad St., Elizabeth, twp. engrs. A. Potter, 50 Church St., New York City, N. Y., consult. engr.; adv. E. N.-R. Mar. 3.

Md., Baltimore—Mar. 9, by Bd. Awards, 3,720 lin.ft. 15 in. and 18 in. vitr. sewer, also 6,517 lin.ft. 13 ft. x 6 ft. 6 in., 13 ft. x 5 ft. 6 in. and 12 x 5 ft. rectangular brick and concrete drain in Storm Water Contr. 102. M. J. Ruark, 311 Courtland St., sewerage engr.

Ky., Ft. Thomas—Mar. 14, by R. R. Pyne, city engr., 50,000 ft. 8 and 10 in. sewers; adv. E. N.-R. Mar. 3.

O., Cleveland—New York, Chicago & St. Louis R.R. Co., A. C. Harvey, ch. engr., Prospect Ave. and East 2nd St., Cleveland, taking bids 400 ft. 8 x 12 in. concrete sewer in Kingsbury Rd. W. J. Bergen, Columbia Bldg., engr.

O., Cleveland—Mar. 9, by Comrs. Cuyahoga Co., 6,600 ft. 8- to 54-in., concrete, brick or segmental block sewer in West 54th St. south of Snow Rd., Impvt. 11; and 21,000 ft. 8- to 60-in. in Pearl and Stump Rds., Impvt. 104. F. Williams, Court House, engr.

O., Euclid—Mar. 7, by Village, storm and sanitary sewer in Old St. Clair Rd. and Fullerwood sub-division. F. A. Thomas, Town Hall, engr.

Ind., South Bend—Mar. 16, by Bd. Wks. for North-Western Trunk Sewer, poured concrete, precast concrete or 3 ply brick pipe. $1,738,086. Address City Clerk. Noted Feb. 17.

Mich., Detroit—Apr. 1, by G. A. Dingman, drain comr., Wayne Co. County Bldg., 95,775 ft. Frank and Poet Drain in Ecorse, Taylor, Romulus, Brownstown and Monguagon Townships.

Ill., O'Fallon — Mar. 7, by Bd. Local Impvts., sanitary sewerage system, and disposal plant. $100,000. E. F. Harper, 630 North 31st St., East St. Louis, engr. Noted June 17.

Mo., Campbell—Mar. 10, by City Clerk, sewers in various streets and disposal plant. $60,000. A. C. Moore, Joplin Natl. Bank Bldg., Joplin, engr. Noted Sept. 30.

Tex., San Antonio — Mar. 14, by City Comn., 4 mi. 8- to 24-in. sewers and laterals in Lakeview Addition. $125,000. I. Ewig, city engr.

Tex., San Antonio — Mar. 14, by City Comn., 53,950 ft. 8- to 15-in. sewers, etc., in Jefferson Heights and east side. Noted Feb. 24.

Calif., Los Angeles—Bd. Pub. Wks., taking bids 10,032 ft. 18- to 24-in. cement sewers and 59,501 ft. 6- to 15-in. house sewers, etc. in Overland Ave. and Pico Blvd. Sewer Dist. To exceed $25,000. J. Shaw, city engr.

Calif., Palo Alto — Mar. 14, by E. L. Beach, city clk., 21,072 ft. 10- to 24-in. vitr. or concrete sewer, etc., in East Palo Drainage Dist. J. F. Bxybee, Jr., city engr. Noted Nov. 11.

Bids Received

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, Feb. 16, Perna Eng. Contg. Co., 739 South 8th St., branch sewers in Aramingo Ave. $4,436, Englewood St., $4,148, Fraley St. $43,921, and Cottman St. $14,037; from W. H. Yetman, Lincoln Bldg., Cheltenham St. $5,046; from A. Corrado, 5920 Magnolia Ave., Calumet St., $7,634; from P. & A. J. Ellis, Inc., 4th and Wyoming Sts., Duval St. $8,410, and Lawnton St., $28,851; from J. J. McHugh, 1617 Race St., Jackson Ave., $3,405; from A. Mattia, 310 North 65th St., Livingston St. $3,073, Miller St. $3,228, and Mercer St. $3,402; from J. Moss, 1652 Wakeling St., Rosalie St., $2,520; from F. T. Buckins, Jr., 4050 Kensington Ave., Sanger St. $3,436, and Wellington St. $3,750; from C. T. Centrone, 522 North 65th St., Sears St., $3,695; also from E. F. Bennis, 835 East Washington Lane, 65th St. $5,221, and Southampton St. $6,266.

O., Cleveland — Comrs. Cuyahoga Co., 9,700 ft. storm and sanitary sewer in Spencer Rd. and vicinity Impvt. 601, from W. P. Gibbons Contg. Co., Akron, rein.-con. $290,672, and from Joseph Kalill & Jackson Co., Prospect-Fourth Bldg., brick $309,712; also sewer in Stockbridge and Eldamere Aves., Impvt. 514 S. and W., from Assad Constr. Co., 1432 Castle Ave., $29,396. Noted Feb. 10.

Contracts Awarded

N. Y., Mamaroneck—Bd. Village Trustees, Boston Post Rd., sewerage system, Contr. 6, to L. Fererri, Mamaroneck; and Contr. 7, to Testa & Collantino, Larchmont. Engrs. est. approximately $35,000 each. Noted Feb. 17.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in Bartholdi St., to F. Pestone, 1657 Colden Ave., $19,447; in East 237th and East 337th Sts., to J. V. Timoney Constr. Co., 220 East 201st St., $39,848 and $36,615 respectively; Provost Ave., to Anita Constr. Co., 2975 Marion Ave., $2,545. Grand total $98,455. Noted Feb. 24.

N. J., Neptune City (mail Avon-by-the-Sea)—Boro Council, sewerage system, to Seaman & Letkus, Stone Harbor, $133,686.

Md., Baltimore—Bd. Awards, manhole frames and covers, sewer inlet and similar iron castings to Bureau of Sewers, Material Contr. 62, to Amer. Brake & Shoe Fdry. Co., Fulton St., $18,417; and Caroline Fdry. Co., 723 South Carolina St., $25,600. Noted Feb. 3.

Ill., North Chicago—North Shore Sanitary Dist., Waukegan, sewage treatment plant, grit chamber, settling tank, etc., to Johnson Constr. Co., Springfield, $56,700. Noted Jan. 13.

Kan., Valley Center—Sewage pumping station and disposal plant, incl. 12,000 ft. 8 in. and 2,000 ft. 10 in. vitr. clay pipe, 4,000 ft. 6 in. c.i. pipe, 210 ft. manholes, 65 ft. flush tanks, etc., to R. G. Tripp, Herington, $29,797. Noted Feb. 24.

Ark., Little Rock — Bd. Comrs. Sewer Impvt. Dist. 104, 4,000 ft. 10- to 15-in. vitr. clay sewer, etc., in various streets, to Halpin & Boyle, Swope Park, Kansas City, Mo., approximately $240,000. Noted Feb. 24.

Calif., Los Angeles — Bd. Pub. Wks., storm drains in Sect. 2, Jefferson St. Storm Drain, to R. Matcalfe, 1935 North Commonwealth Ave., $335,000. Noted Feb. 17.

Calif., Los Angeles — Bd. Pub. Wks., sewer in Federal Ave. between Wilshire and Pico Blvds., to G. W. Kemper, P. O. Box 126, Alhambra, $99,345. Noted Feb. 17.

Ont., Forest Hill—Laying sewers, etc., in South West Sect. Forest Hill, Contr. A, to J. H. McKnight Constr. Co., 88 St. Davids Ave., Toronto $57,094, and in Northeast Sect., Contr. B, to McNamara Constr. Co., 53 Yonge St., Toronto $60,011; also supplying pipe and pipe specials, Contr. C, to Independent Concrete Pipe Co., 400 Cheyne Ave., Toronto, $36,858. Grand total $153,963. Engrs. est. $200,000.

Ont., Hamilton—F. F. Treleaven, mayor, City Hall, 625 ft. 10 x 8 ft., and 1,622 ft. 8 ft. 4 in. x 6 ft. 9 in. concrete sewer in tunnel in Gage Ave. and Barton St., to J. Taylor & Co., Bank of Toronto Bldg. $108,000. Noted Jan. 27.

Waste Disposal

Proposed Work

O., Toledo—Plans issuing $280,000 bonds, purchasing site and constructing garbage disposal plant, here.

O., Toledo — W. B. Guitteau, dir. Pub. Serv. takes bids about May 22, two garbage plants, $100,000. A. H. Smith, 214 Safety Bldg. comr. eng. & constr.

Bids Desired

Tenn., Memphis—Mar. 15, at office C. C. Pashby, city clk., garbage and refuse destructor. R. Paine, mayor; adv. E. N.-R. Mar. 3.

Bridges

Proposed Work

New Jersey—See "Streets and Roads."

New Jersey—State Hy. Comn., Trenton, plans bridging Route 4, Sect. 16-A, Toms River, Ocean Co. $200,000, Route 4 Loveland's Thorofare, Burlington Co. $15,000, and Route 17 Erie R.R. Bridge at Rutherford $117,000; grade crossing elimination on Route 7, Royce Valley, Somerset Co. $70,000, and Route 12, Singac Passaic Co. $249,000.

Pennsylvania—Comrs. Philadelphia Co. (Phila.) and Comrs. Delaware Co. (Media), at City Hall, Phila., making preliminary plans concrete bridge over Cobbs Creek, at 63rd and Pine Sts., Phila., and Powell Lane, Upper Darby Twp. $400,000.

Pa., Washington — Comrs. Washington Co. soon take bids 20 ft. concrete and steel span bridge at Henderson St., $8,500; concrete and plate girder bridge, Chartiers Ave., $12,500; and concrete arch bridge, Centerville Sta., $7,800. G. S. Chaney, Washington, co. engr.

Alabama and Georgia—State Hy. Dept., Montgomery, Ala., making plans 29 span, 1,226 ft. steel and concrete bridge over Chattahoochee River, from Houston Co., Ala., to Early Co., Georgia. $140,000. W. Finnell, Montgomery, Ala., engr.

O., Toledo—Plans issuing $50,000 bonds, repairing bridges, and $170,000 bonds, constructing new bridges.

Kan., Kansas City—St. Louis-San Francisco R.R. Co., St. Louis, Mo., F. G. Jonah, ch. engr., and Missouri, Kansas & Texas R.R. Co., St. Louis, Mo., F. Ringer, ch. engr., plans viaduct spanning railroad tracks, on 7th Street Traffic Way, here. $395,000.

Kan., Seneca—See "Streets and Roads."

Mo., Kansas City—Making preliminary plans replacing 8th St. Bridge with rein.-con. and steel bridge, 60 ft. $325,000. Harrington, Howard & Ash, Orear Leslie Bldg., engrs.

Tex., Ft. Stockton—Orient Ry., H. E. Beard, ch. engr., W. M. Davis, atty. Upton Co. et al, Rankin, making plans rein.-con. and steel toll bridge across Pecos River, here. $75,000. Private plans.

Tex., San Antonio—Bexar Co. soon takes bids 70 ft. rein.-con. and steel bridge across San Antonio River, at Pecan St. $30,000. I. Ewig, city engr.

California—Richmond-San Rafael Bridge, Inc., c/o F. G. Flaherty, atty., Crocker Bldg., San Francisco, plans vehicular and pedestrian bridge over San Pablo Bay from Point San Pablo, Contra Costa Co. to San Pedro Point, Marin Co. $12,000,000. R. O. Long, c/o Berkeley Chamber of Commerce, Berkeley, pres. C. Derleth, College

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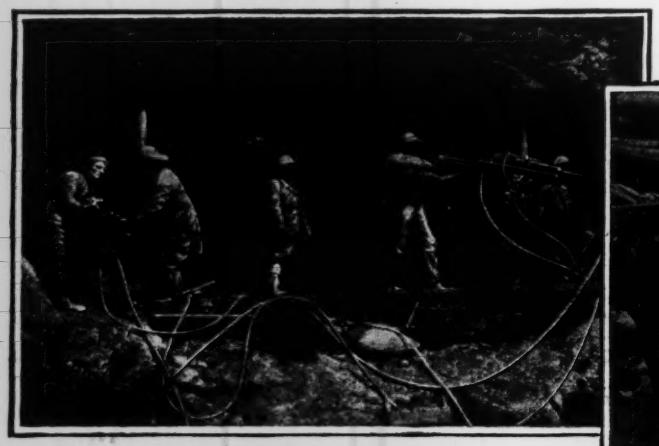

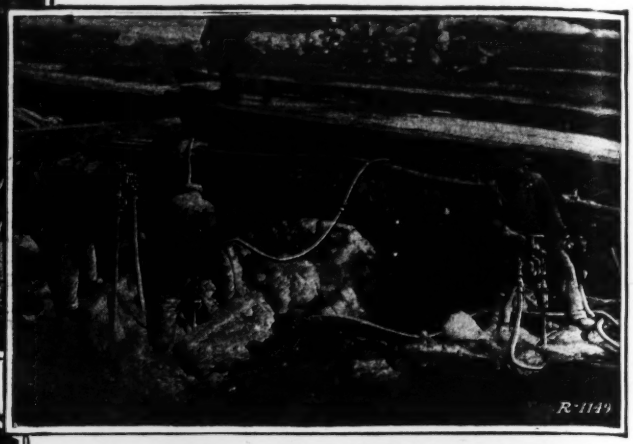

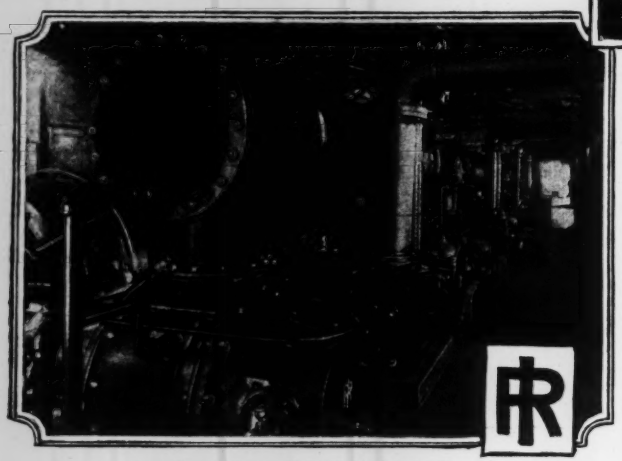

Above: Ingersoll-Rand Drifter Drills, "Jackhammers," and Air Compressors in use by Rodgers & Hagerty, Inc.

How New York City Is Building 10 Miles of New Subway

108 "Jackhamer" Drills are employed by Rodgers & Hagerty on their two sections of the new 8th Ave. subway line. 108 hard-hitting rock drills—enough to replace over 3,000 of the old-fashioned hand drillers, whose efforts were labored and whose progress was slow.

Were we to wait upon the hand driller, our subway ride would never materialize. Before the assault of mallet and hand-steel, rock would yield so slowly that the subway planned to-day would still be a blueprint in the next generation.

But subways are a reality, just as the hand driller is rapidly becoming a thing of the past. The measured clang of steel on steel has been replaced by the rat-tat-tat of the "Jackhamer" Drill. An humble beginner 50 years ago, the Ingersoll-Rand Rock Drill has gradually gained in favor, until to-day it is a powerful and necessary factor in the contracting business of the country.

Rodgers & Hagerty, Inc.

History: Rodgers & Hagerty, veteran builders of subways, were chosen by the New York Transit Commission to handle Sections 5 and 6, Route 78, of the new 8th Ave. subway line. This, their fourth big subway job of recent years, will run into nearly 12 millions of dollars. Of the 466,000 cu. yds. of rock and soil to be excavated, over half has already been taken out, so that the contractors are already certain to finish their work within the specified time limits.

A list of Rodgers & Hagerty's important construction jobs would read like a builder's encyclopedia. Mention of a few will have to suffice:

1911-1915—Subway, New York City, Route 5, Sec. 5	$4,225,000.00
1915-1917—Subway, New York City, Route 19-22, Sec. 1-a	2,375,000.00
1916-1918—Subway, New York City, Route 12, Sec. 3	2,000,000.00
1919-1923—New York City Ash Disposal	3,000,000.00
1921-1923—Hill-to-Hill Bridge, Bethlehem, Pa.	2,600,000.00
1923-1925—Manhattan approach, Hudson River Vehicular Tunnel	3,467,000.00

Personnel: John J. Hagerty, President; Frank W. Allen, Vice-President; T. J. Carroll, Secretary and Treasurer; Major George Perrine, Engineer in Charge; Ole Levine, Master Mechanic; George Hagerty, Superintendent of Excavation; Henry Stenberg, General Superintendent.

(This is one of a series on the New York subway contractors.)

Ask for bulletins on Ingersoll-Rand Air Compressors and Rock Drills. Complete data will be sent on request.

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Ingersoll-Rand

Bridges (Continued)

of Eng. University of California, Berkeley, engr.

Calif., Riverside—Making surveys replacing present bridge with concrete bridge, on Victoria Ave. $100,000 or more. R. V. Leeson, San Fernando Bldg., Los Angeles, engr.

Calif., San Bernardino—See "Streets and Roads."

Bids Desired

W. Va., Morgantown—Mar. 18, by Magnolia County Court, Wana Bridge, 110 ft. span steel through truss superstructure with concrete substructure over Dunkard Creek.

S. C., Charleston—Mar. 10, by Sanitary & Drainage Comn., treated timber bridge, Breach Inlet, 17,810 lin.ft. treated timber piling, 41,900 lb. hardware, 2,040 sq.yd. rock asphalt, etc. E. D. Jervey, engr.

Florida—Mar. 9, by State Road Dept., Tallahassee, **(P. means Project and R. means Road)** constructing 88 ft. concrete deck girder bridge P. 41-B, R. 4, Dade Co.; 400 ft. concrete deck girder standard treated timber bridge P. 698, R. 19, Leon Co.; and 300 ft. bridge P. 699, R. 19, Jefferson Co. J. L. Cresap, state highway engr.

Miss., Philadelphia — See "Streets and Roads."

Louisiana—Mar. 15, by State Hy. Comn., Baton Rouge, Bayou Vidol Bridge, on Tallulah-St. Joseph Highway, Federal Aid Project 134-B, Madison and Tensas Parishes, 1,775 lb. reinforcing, etc. J. M. Fourmy, Reymond Bldg., highway engr.

O., Hamilton—Mar. 25, by Comrs. Butler Co., repairing covered timber bridge. W. S. Conklin, co. surv.; adv. E. N.-R. Mar. 3.

Indiana—Mar. 15, by J. D. Williams, dir. State Hy. Comn., Indianapolis, **(r.c.a. means rein.-con. arch, S. R. Road, r.c.g. rein.-con. girder, s.t. steel truss, r.c.s. rein.-con. slab)**, 4 r.c.a., 1 r.c.g. and 1 s.t. on S. R. 150-B, Orange Co., 2 r.c.g. and 2 s.t. on S. R. 30-J, Kosciusko Co., 1 r.c.g. on S. R. 30-F, Starke Co., 3 r.c.g. on S. R. 52-P, Tippecanoe Co., 1 s.t. and 1 r.c.g. on S. R. 52-Q and 52-R, Benton Co., 1 r.c.g. on S. R. 20-H, Elkhart Co., 2 s.t. and 3 r.c.g. on S. R. 52-B, Posey Co., 2 r.c.g. on S. R. 62-C, Vanderburg Co., 1 r.c.s. S. R. 30-O, Allen Co., 1 r.c.g. on S. R. 43-J, Montgomery Co., 1 r.c.g. on S. R. 43-K, Tippecanoe Co., 2 r.c.g. on S. R. 56-D, Pike Co., 3 r.c.g. on S. R. 56-E, Dubois Co., and 1 s.t. on S. R. 57-K, Greene Co.; also concrete flooring and painting S. R. 41-U, Lake Co.

Illinois—Mar. 16, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, 34 ft. span concrete girder railroad overhead bridge, Route 4, Sect. F-1, Madison Co.; two 50 ft. concrete span and one 96 ft. steel span deck and steel plate girder railroad overhead bridge, Route 12, Sect. 1-V, Lawrence Co.; three 53 ft. span concrete girder railroad overhead bridge, Route 13, Sect. 28-V, St. Clair Co.; two 40 ft. and one 36 ft. span concrete girder overhead bridge, on Route 17, Sect. 28-V, Livingston Co.; three 30 ft. span concrete girder bridge with paved approaches, Route 24, Sect. 13-B, Tazewell Co.; one 24 ft. concrete girder bridge and 14 ft. concrete slab span, Route 47, Sect. 118-B, one 30 ft., one 40 ft. and three 35 ft. span concrete girder bridges and one concrete culvert, substructure for 70 ft. steel span, Route 47, Sect. 119-B, superstructure for 70 ft. steel span, Route 47, Sect. 119-C, all Grundy Co.; one 57 ft. span concrete girder bridge, on Route 70, Sect. 107-B, also one 45 ft., one 55 ft. and one 30 ft. span concrete girder bridge, Route 70, Sect. 109-B, both Ogle Co.; one 150 ft. span concrete substructure and seven 60 ft. concrete girder approach spans, Route 83, Sect. 123-B, superstructure for 150 ft. steel span, Route 83, Sect. 123-C, Mercer Co.; one 20 ft. and one 16 ft. concrete slab spans and one 46 ft. concrete girder span, Route 88, Sect. 101-B, Whiteside Co.; substructure for two 90 ft. steel spans, Route 91, Sect. 113-B, and two 90 ft. span steel superstructure, Route 91, Sect. 113-C, Peoria Co.; one 16 ft. and one 28 ft. concrete slab span, also one 40 ft. concrete girder span, Route 95, Sect. 119-B, McDonough Co.; one 57 ft. concrete girder span, Route 99, Sect. 102-B, Hancock Co.; two 10 ft. span concrete culvert and one 50 ft. concrete girder span, Route 127, Sect. 111-B, Bond Co.; one 70 ft. span concrete substructure with two 40 ft. girder approach spans, and one 160 ft. concrete substructure with eight 50 ft. girder approach spans, Route 152, Sect. 104-B, one 70 ft. and one 160 ft. span steel superstructure, Route 152, Sect. 104-C, one 36 ft. concrete slab, and two 30 ft. concrete girder spans, also concrete substructure for 160 ft. steel span with six 50 ft. concrete girder approach spans, Route 154, Sect. 108-B, and one 160 ft. steel superstructure, Route 154, Sect. 108-C, all Perry Co. F. T. Sheets, highway engr.

Ia., Sidney—Mar. 10, at office Auditor Fremont Co., 130 x 16 ft. high truss bridge with four 17 ft. timber approach spans. J. L. McGrane, Sidney, co. engr.

Kan., Newton—Mar. 7, by City Clerk, 168 ft. bridge with 20 ft. brick roadway. $25,000. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs.

Tex., Anderson—See "Streets and Roads"

Calif., Los Angeles—Mar. 21, by Bd. Pub. Wks., constructing Glendale-Hyperion viaduct, incl. eight 48 ft., one 68 ft., two 135 ft., and two 118 ft. rein.-con. spans, etc. over Los Angeles River. M. Butler, ch. city bridge engr.

Contracts Awarded

New York—Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, constructing approach Peekskill Creek Viaduct, on Bronx River, Parkway extension, Contr. 136, to Suburban Eng. Co., 15 West 38th St., New York City, $72,329. Noted Feb. 17.

N. Y., Peekskill—Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, constructing approach Peekskill Creek Viaduct on Bronx Parkway, near here, to B. V. Scofield, 8 Bayview Ave., Beacon, $63,350. Noted Feb. 17.

Pennsylvania—Comrs. Fayette Co. (Uniontown) and Westmoreland Co. (Greensburg), two 50 ft. concrete span-bridge, 40 ft. over Jacobs Creek, to W. J. Reed, Vanderbilt, $29,945. Noted Feb. 10.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, Bridge Div., Feb. 16, 67 ft. span concrete and steel bridge, 100 ft. over North Pennsylvania R.R. tracks, Hunting Park Ave., to Robbins Contg. Co. Inc., 1137 North Franklin St. $88,764. Noted Feb. 10.

N. C., Morehead City—Atlantic Beach Bridge Corp., timber, concrete and steel draw span (toll) bridge over Bogue Sound, to Davis Constr. Co., Beaufort, $100,000.

Kentucky—State Hy. Dept., Frankfort, three 50 ft. concrete span substructure bridge over Louisville & Nashville R.R. tracks near Pembroke, Federal Aid Project 150-A, Christian Co., to Alexander Bros., Cadiz, $15,656; three 40 ft. concrete spans and substructure bridge over railroad tracks near Buda, Federal Aid Project 131-F, Fulton Co., to Landrum Bros. & Ewell, Dyer, Tenn., $12,668; five 50 ft. rein.-con. approach spans and concrete floor for 275 ft. steel span, at Camp Nelson, State Aid Project 23-A, Garrard and Jassamine Counties, to A. M. Cook & Co., Wartburg, Tenn., $66,726. Grand total $95,050. Noted Feb. 25, 1926.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridges on Route 96, Sects. 126-B and 127-B, Adams Co., to Herrick Constr. Co., Carlinville, $53,333; and on Route 136, Sect. 104-B, Crawford Co., to V. O. Conner, Newton, $7,034. Noted Jan. 27.

Wisconsin—See "Streets and Roads."

Ia., Fairfield—Jefferson Co. high truss bridge with approaches, on Primary Bridge Project 359, to A. Melberg, Cedar Rapids, $26,470.

Kan., Lincoln—See "Streets and Roads."

Kan., Solomon—Dickinson Co., two 110 ft. span bottom chord concrete arch bridge, 18 ft. roadway over Smoky River, to Western Bridge Co., Harrisonville, Mo., $39,894. Noted Jan. 27.

Wash., Tacoma—Bd. Pub. Wks., rein.-con. bridge across North Proctor St., to Olympic Constr. Co., 1326 Northlake Ave. Seattle, $132,944. Noted Feb. 17.

Calif., Santa Ana—Supervs. Orange Co., five 54 ft. span rein.-con. girder type bridge, and six 33 ft. span rein.-con. pile trestle type bridge over San Juan Creek, on Coast Route, to F. W. Steffgen, Spreckels Bldg., San Diego, $62,112. Noted Feb. 10.

Dams

Proposed Work

Calif., Oakland—See "Waterworks."

Railways

Proposed Work

New Jersey—Atlantic City R.R., Co., Camden, J. W. deMoyer, Kaighns Point, div. engr., plans 2.64 mi. branch line from West Cape May to terminal at westerly and Sunset Blvd., Cape May Point, in Cape May Co. $107,358.

North Carolina—Southern Ry., Wash., D. C., G. L. Sitton, Charlotte, ch. engr. (lines east), plans classification yards, engine terminals and sheds, in Durham. $100,000-$125,000.

Ohio—Detroit, Toledo & Ironton R.R. Co., H. Ford, pres., Dearborn, Mich., making surveys extending railway line to Portsmouth, O., and coal fields of Pike and Harlan Counties, Ky.

Missouri—See "Buildings — Commercial, under "St. Louis."

Texas—Southern Pacific Ry. Co., G. W. Boschke, ch. engr. 65 Market St., San Francisco, making surveys, etc. extending 30 mi. railroad line incl. grading bridging, steel and ballasting, etc. from Harlingen to Brownsville, here. $150,000.

Quebec—Canadian Natl. R.R., 230 St. James St., Montreal, T. T. Irving, ch. engr., plans extending Rouyn Branch above railroad in Rouyn from Tacherean to point 15 mi. east. $300,000.

Contracts Awarded

Ohio — Cincinnati, Hamilton & Dayton R.R. Co., 3rd Natl. Bldg., Dayton, J. H. McClure, vice-pres., 7 new brick and concrete passenger stations and sub-stations between Cincinnati and Dayton, to Danis-Hunt Constr. Co., 1st and Webb Sts., Dayton, $40,000. Noted Feb. 17.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Tex., San Antonio—City, c/o J. W. Tobin, mayor, takes bids in April, Sect. 2, flood prevention program, consisting 300 ft. rein.-con. underground channel, 25 ft. deep and 70 ft. wide. $100,000. S. F. Crecelius, 201 Torcido Dr., engr. Noted Dec. 2.

Calif., El Dorado—El Dorado Irrigation Dist. voted $1,300,000 bonds, irrigating 36,702 acres land.

Calif., Newport Beach—Voted $500,000 bonds, constructing two jetties, dredging, etc. Noted Jan. 20.

Calif., Placerville—El Dorado Irrigation Dist. voted $1,300,000 bonds, irrigation works, storage reservoirs, distribution laterals, etc. S. J. Norris, Oroville, engr.

Calif., San Francisco — City and San Francisco Co. plan reclaiming 280 acres at Islais Creek, incl. rock wall, 410,000 tons Class "B" rock, 70,000 tons facing rock, 6,000,000 cu.yd. dredging and backfilling, etc. $1,875,000. M. M. O'Shaughnessy, city engr.

Calif., Stockton—Plans deep water project, incl. dredging, etc. W. B. Hogan, city engr.

Que., Nicolet—Dept. Pub. Wks., Ottawa, Ont., plans dredging channel on Nicolet River to St. Lawrence River, here, $50,000, also 2 mi. channel at outlet of St. Maurice River, here, $40,000. B. Grandmont, 16 Alexandre St., Three Rivers, engr.

Que., Rimouski — Pub. Wks., Ottawa, Ont., plans dredging landing basin to public wharf, here. $50,000. K. M. Cameron, 249 1st Ave., Ottawa, Ont., engr.

Bids Desired

N. Y., New York—Mar. 8, by M. Cosgrove, comr. Docks, Pier A, foot Battery Pl., North River, dredging west side Pier 4, East River, Contr. 1898.

Fla., Fort Lauderdale—Mar. 11, by City Comn. (1st unit) proposed port at Bay Mable, also on same date at Hollywood in connection with above. Total $6,000,000. G. B. Hills, Liggett Bldg., Jacksonville, consult. engr. for Fort Lauderdale.

Ill., St. Charles—Mar. 17, by Comrs. D. D. 8, cleaning and deepening ditch. J. W. Wilson, comn. engr.; adv. E. N.-R. Mar. 3.

Neb., Gothenburg — Mar. 9 (extended date), Bd. Dirs. Thirty Mile Canal Co., F. E. Parkham, pres., constructing 35 mi. main canal; 40 mi. laterals; necessary bridges; drops, checks, syphons and boxes to water 14,000 acres land. $280,000. C. A. Edwards, Gothenburg, consult. engr. Noted Dec. 2.

Tex., Galveston—Taking bids drainage work Ave. K and alley north of Ave. A. $40,000. C. A. Holt, Jr., Galveston, engr.

Bids Received

Calif., Santa Barbara — E. A. Rolison, mgr., City Hall, constructing breakwater, rubble mound type, 160,000 tons rock complete in place, from A. J. Grier, 480 Chetwood St., Oakland, $380,000; concrete

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Excavation, Drainage, Irrigation, Levees, River and Harbor (Continued)

caisson type, 42,000 tons rock in foundations, 16 caissons, etc., from Eng. Constr. Corp., Los Angeles, $721,560. Noted Jan. 27.

Contracts Awarded

Mississippi—Bd. Supervs. Hancock Co. (Bay St. Louis), 10 mi. seawall along gulf coast between Bay St. Louis and Gulfport, to Oman & Pryor, Chamber Commerce Bldg., Nashville, Tenn., $860,535. Noted Jan. 27 under "Bay St. Louis."

Mich., Detroit—See "Unclassified."

Ia., Maquoketa—Green Island Levee & D. D. 1, drainage ditches, pumping stations, etc., to Mulgrew & Sons, Dubuque $32,289, Barnard-Curtiss Co., 504 Globe Bldg., Minneapolis, Minn. $55,788, and to Strom Constr. Co., Gary, Minn. $70,849. Grand total $158,922.

Ia., Washington—Washington Co. drainage work in Dists. 8 and 9, incl. 12,822 ft. 12- to 24-in. vitr. clay or concrete pipe, 34 manholes, 54 catch basins, 1,620 ft. 10 in. catch basin connections, etc., to Craig Constr. Co., 1431 41st St., Des Moines. $11,421 and $8,630 respectively. Noted Jan. 20.

Tex., Brownsville—Cameron Co. Water Impvt. Dist., c/o O. C. Dancy, judge, for Arroyo Colorado and North Floodways, to Trinity Farms Constr. Co., Waxahachie, approximately $586,000. Noted Feb. 10.

Calif., Long Beach—For 900 ft. breakwater, to Hauser Constr. Co., Security Bldg., at $1.10 per ton, total approximately $232,950.

Streets and Roads

Proposed Work

Mass., Dorchester (Boston P. O.)—Dept. Pub. Wks., Boston, plans widening and reconstructing Centre Ave., here. $25,000. J. H. Sullivan, comr.

Mass., Quincy (Ind. br. Boston)—Plans extending and improving Cottage Ave. and Foster St., making one continuous way street. $25,000 or more. P. J. O'Brien, city engr.

Mass., Scituate — Bd. Selectmen plans expending $40,000, improving and widening various streets. Private plans.

New Jersey—State Hy. Comn., Trenton, plans improving 0.445 mi. Robbinsville Cut-off, Route 1, Mercer Co., $125,000; and 0.8 mi. Route 4, Sect. 16-A, Ocean Co., $100,000.

New Jersey—State Hy. Comn., Trenton, plans grading 2.5 mi. Route 1, Mercerville-Hamilton Sq. Cut-off Rd., Mercer Co. $225,000, 0.2 mi. Route 4, Nacote Creek approaches, Atlantic Co. $10,000, 1.05 mi. Route 5, Morristown-Convent Station, Morris Co. $75,000, 2 mi. Route 6, Woodbury-Westville Rd., Gloucester Co. $225,000, 12.3 mi. Route 7, Hightstown-Freehold Rd., Mercer, Middlesex and Monmouth Counties, $615,000, 9.4 mi. Route 7 (spur) Lakewood-Adelphia Rd., Ocean and Monmouth Counties $470,000, 5 mi. Route 17-N Hackensack-Rutherford Rd., Bergen Co. $313,000, 4.19 mi. Route 18-N, Englewood Cliffs-Alpine Rd., Bergen Co. $463,000, 0.34 mi. Route 18-N Lemoine Ave.-Fort Lee Rd., Bergen Co. $68,540, 6 mi. Route 18-S and 20, Malaga Grade Crossing, Gloucester Co. $500,000, 4 mi. Pennington-Woodsville Rd., Mercer Co. $280,000, and 4.5 mi. Woodsville-Ringoes Rd., Hunterdon Co. $315,000; grading and bridging 3.5 mi. Route 5, Dover-Denville Rd., Morris Co. $175,000 and $325,000 respectively, 5.75 mi. Route 5, Buttzville-Great Meadows Rd., Warren Co. $364,000 and $50,000 respectively, 4 mi. Route 6 Collingswood-Westville Rd., Camden and Gloucester Counties, $700,000 and $595,000 respectively, 5.3 mi. Route 8, Beaver Lake-Hamburg Rd., Sussex Co., $470,000 and $80,000 respectively, 4.4 mi. Route 8 Verona-Passaic River Bridge, Essex Co., $350,000 and $50,000 respectively, 1.75 mi. Route 14, Mays Landing Rd., Atlantic Co., $44,000 and $250,000 respectively, 5 mi. Route 15, Mauricetown-Delmont Rd., Cumberland Co., $85,000 and $65,000 respectively, 3.6 mi. Route 16, Woods Tavern-Harlingen Rd., Somerset Co., $216,000 and $55,000 respectively, 3.2 mi. Route 16, Harlingen-Belners Corner Rd., Somerset Co., $192,000 and $20,000 respectively, 0.68 mi. Route 17-N, Saddle River Crossing, Bergen Co., $31,000 and $27,000 respectively; 0.5 mi. Route 17-S, Paulsboro Causeway, Gloucester Co., $47,000 and $52,000 respectively, 4 mi. Route 18-S, Malaga-Downstown Rd., Gloucester Co., $225,000 and $25,000 respectively, 4.4 mi. Route 20, Malaga-Vineland Rd., Gloucester and Cumberland Counties, $222,000 and $13,000 respectively; bridges on Route 4, Matawan Creek Rd., Middlesex Co. $250,000, and bridge over Salem Creek at Woodstown, Salem Co. $38,000.

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New Jersey—State Hy. Comn., Trenton, making plans concrete paving 4 mi. Woodstavern-Harlinger Rd. between Princeton and Somerville; and 5 mi. between Malaga and Vineland. $463,000. W. G. Sloan, Trenton, state engr.

N. J., Brant Beach—Long Beach Twp. Com., Beach Haven, plans concrete sidewalks Bay Blvd., here. $100,000. Engineer not selected.

N. J., Trenton—Hamilton Twp. Com. plans grading, curbing and guttering various streets. $32,000. W. R. Hart, Trenton, clk. Engineer not selected.

N. J., Newton—Sussex Co. plans improving 0.5 mi. Swartswood Lake Rd., Stillwater Twp. $25,000. H. Snook, Newton, engr.

N. J., Rahway—Mayor and Common Council making plans paving various streets. $106,500. C. Bush, 142 Irving Ave., engr.

N. J., Reaville—Hunterdon Co. (Flemington) making plans improving Three Bridges-Reaville Rd. $57,500. G. Davis, Whitehouse Station, engr.

Pa., Pittsburgh — Soon takes bids grading, curbing, alternate types paving, etc. Orangewood Ave. between Sebring St. and Princess Ave. $42,000. Dept. Pub. Wks., Bureau Engineering, engrs.

Pa., Pittsburgh—Soon takes bids grading, curbing and paving Broadhead St. between Somerset St. and Compania Aves. $37,000. Dept. Pub. Wks., Bureau of Engineering, engrs.

Pa., Swissvale—Plans election $250,000 bonds, paving Braddock St., etc. J. D. Hall, boro engr.

Pa., Washington — Comrs. Washington Co. making plans concrete paving 3,902 ft. Malden-California Rd. $30,480, 17,050 ft. Long Pine-Marianna Rd. $161,975, and 6,500 ft. Canonsburg-Bishop Rd. $56,875; also paving 4,421 ft. Daisytown-National Pike Rd., concrete $42,300 or macadam $26,500. G. S. Chaney, Washington, engr.

W. Va., Bridgeport — Election Mar. 15, $28,000 bonds, paving portions Pennsylvania Ave. and 2 other streets. F. G. England, recdr.

W. Va., Moundsville — Franklin Dist. voted $50,000 bonds, improving roads in Marshall Co. R. L. Motter, Moundsville, co. engr.

W. Va., Moundsville — Soon takes bids brick resurfacing 1 mi. 2nd and 3 other streets. $26,000. J. S. Sammons, city engr.

N. C., Raleigh—State Hy. Dept., plans concrete or asphalt boulevard, being an extension of South St. westwardly to Route 10. $125,000. L. R. Ames, Raleigh, engr.

La., Lake Charles—Cameron Co. voted $162,000 bonds, grading and concrete surfacing Gulf Beach Highway, in Road Dist. 6.

La., Natchitoches—Plans permanent paving various streets. $150,000. C. D. Evans, 414 Levy Bldg., Shreveport, engr.

Kentucky—State Hy. Dept., Frankfort, will not take bids Apr. 1, improving 22 mi. Murray-Mayfield Rd. $40,000. E. N. Todd, highway engr. This corrects report in Feb. 17 issue.

Tenn., Knoxville—Plans sidewalks, curbing, guttering, sheet asphalt on concrete paving 37,600 sq.yd. and asphaltic concrete on concrete paving, etc. 37,450 sq.yd. various streets. $503,700. L. Brownlow, city engr.

O., Toledo—Plans grading and paving, etc., Linmore St. from Miami St. to city line.

Ind., Kokomo—Comrs. Howard Co. plan constructing Earl Brooks Rd. $100,000.

Ind., Auburn—De Kalb Co. plans constructing Tonkel Rd. $176,000. E. Dawson, Auburn, aud.

Michigan—Wayne Co. (Detroit) and Oakland Co. (Pontiac) making plans grading and one course 8 in. concrete paving approximately 3 mi. Eight Mile Rd., 30 ft. Wayne Co. Rd. Comn., 1103 Cadillac Sq. Bldg., Detroit, engrs.

Mich., Muskegon—Making plans grading and concrete paving 9,450 sq.yd. Pere Marquette Park Oval 2. $25,000. H. J. Lewis, City Hall, engr.

Ill., Alton—Takes bids in spring grading, curbing and concrete paving 16,000 sq.yd. Alby St., $72,000; also making plans grading, curbing, concrete paving, etc., portion Market St. J. E. Schwaab, City Hall, engr. Noted Feb. 10.

Ill., East St. Louis — City Comn. takes bids in early spring grading, curbing, guttering, 8 in. concrete paving, etc. 250,000 sq.yd. Louisiana Boulevard Extension, 34th and 44th Sts., Gaty, Exchange and Kansas Aves. $139,370. W. McK. Brown, City Hall, engr.

Ill., East St. Louis — Will not improve Bway. Viaduct, incl. removing 5,800 sq.yd. old brick pavement, etc. Project abandoned. $30,300. W. McK. Brown, City Hall, engr. Noted Feb. 27.

Ia., Centerville—Plans 6 in. concrete paving 7 blocks and bitulithic repaving 14 blocks various streets. M. G. Hall, city engr.

Ia., Council Bluffs—Plans 6 in. concrete paving 25 blocks various streets. $50,000. F. B. Jenkins, city clk.

Ia., Denison—Crawford Co. making plans graveling 15 mi. Lincoln Highway, and grading 8 mi. Primary Road 141 from Denison to Monona Co. line. W. J. Wearmouth, Denison, co. engr.

Ia., Dubuque—Dubuque Co. making plans grading and paving 26 mi. Hawkeye Trail from Dubuque to Dyersville. G. A. Blunt, Dubuque, co. engr.

Ia., Keokuk—Plans 6 in. concrete paving 20 blocks and various types paving 70 blocks various streets. B. G. Britton, city engr.

Ia., Le Mars—Plymouth Co. plans graveling 18 mi. Storm Lake Cut-off. G. S. Huxtable, Le Mars, co. engr.

Ia., Marshalltown—Takes bids in early summer grading, curbing and hardsurfacing 20 blocks various streets; also plans 2.5 mi. concrete and segmental block sewers in various streets.

Ia., Muscatine — Plans resurfacing 30 blocks, brick paving 5 blocks, and concrete paving 13 blocks various streets. $65,000. H. H. Fitzgerald, city engr.

Ia., Onawa—Monona Co. making plans completing graveling 20 mi. Primary Road 75, 17 mi. Sioux City-Denison Rd., Primary Rd. 141, and 5.5 mi. Onawa-Turin Rd., Primary Rd. 37. C. B. Zorn, Onawa, co. engr.

Ia., Ottumwa—Making plans 6 in. concrete paving 13,757 sq.yd. various streets in Dist. 3. $38,000. Brown & Cook, 108 North Market St., Ottumwa, engrs.

Ia., Rock Rapids—Lyon Co. plans grading 30 mi. roads. R. H. Fuller, Rock Rapids, co. engr.

Ia., Williamsburg—Plans paving 30,000 sq.yd. various streets. Brown & Cook, 108 North Market St., Ottumwa, engrs.

Kan., Herrington—Plans repaving various streets. To exceed $25,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

Kan., Lyons — Rice Co. plans grading and concrete, or brick surfacing 1.48 mi. Plumb St. Rd. S. Ainsworth, Lyons, engr.

Kan., Olathe—Johnson Co. plans grading, concrete or brick surfacing approximately 6 mi. F. A. P. 246, Sect. F. S. Eberhardt, Olathe, engr.

Kan., Seneca—Nemaha Co. made plans grading, bridging, etc. 6.75 mi. Federal Aid Project 319; and 9 mi. Federal Aid Project 320. L. P. Price, Court House, engr.

Kan., Topeka—Shawnee Co. making preliminary plans grading and concrete paving 0.795 mi. 29th St., 18 ft. $25,000. C. H. Wasson, Court House, engr.

Kan., Wakeeney—Trego Co. takes bids in spring grading, graveling, etc. 15.73 mi. Federal Aid Project 288-A, 18 ft. H. Harlan, Court House, engr.

Montana—State Hy. Comn., Helena, (**F. A. P. means Federal Aid Project**), plans grading and graveling 7 mi. Browns Bridge Rd., Beaverhead Co., $60,000; 8 mi. Elk Park Rd., Jefferson Co., $80,000; 13 mi. Wilsall North Rd., Park and Meagher Counties, $103,000; 7 mi. Hutchins North Project, Madison Co., $57,000; 3 mi. Buckhouse Bridge Rd. $27,000, Bonner Rd. $25,000, all in Missoula Co.; 6 mi. Roundup North Project, Musselshell Co., $50,000; 3 mi. Yellowstone Canyon Rd., Park Co., $25,000; 1.5 mi. Butte-Anaconda Rd., Silver Bow and Deer Lodge Counties, $40,000; 6 mi. Project 127 East, Sweetgrass Co., $50,000; and 6 mi. road from Project 187-A northwest into Billings, Yellowstone Co., $50,000, all 24 ft. H. W. Holmes, state highway engr.

Montana—State Hy Com., Helena, making plans grading and graveling, etc., 8 mi. Federal Aid Project 58-A and B $25,000, and 11 mi. Mud Creek-Olney Rd. $93,000, both Flathead Co.; 6 mi. Havre Southwest Highway, Hill Co. $50,000; 7 mi. Polson-Big Arm Rd., Lake Co., $55,000; 9 mi. Elk Hill Rd., Lincoln Co., $70,000; 10 mi. Poplar-Brockton Rd. $90,000, and 6 mi.

Streets and Roads (Continued)

Culbertson North Rd. $50,000, both Roosevelt Co.; 8 mi. Shelby North Rd., Toole Co., $59,000; and 6 mi. Glasgow West Rd., Valley Co., $50,000, each 24 ft. H. W. Holmes, Helena, state highway engr.

Montana—State Hy. Dept., Helena, making plans grading, graveling, etc., 7 mi. Lewistown-East Project, $59,000, and 7 mi. Lewistown-West Project, Fergus Co. $50,000; 6 mi. Jordan Southeast Project, Garfield Co., $50,000; 12 mi. Drummond East Project, Granite and Powell Counties, $160,000; 10 mi. Evans Hill-Missoula Sect., Missoula Co., $90,000; 6 mi. Jefferson Canyon Rd., Jefferson Co., $112,000; 12 mi. Helena-Townsend Highway, Jefferson and Broadwater Counties, $100,000; 8 mi. Stanford East Project, Judith Basin Co., $60,000; 5 mi. Circle-Southeast Project, McCone Co., $41,000; 6 mi. Dodson East Project, Phillips Co., $47,000; 5 mi. Dawson Co. Line toward Terry Project, Prairie Co., $41,000; 5 mi. Sidney Southwest Project, Richland Co., $41,000; and 10 mi. Birch Creek South Project, Rondera Co., $100,000. H. W. Holmes, ch. engr.

Mo., St. Louis—Making preliminary plans asphalt on repaired concrete and additional 2 in. concrete paving, etc. Skinker Blvd. between Wydown and Clayton Aves. $115,000. A. Brooks, City Hall, dir. Streets & Sewers.

Mo., Webb City—Election Apr. 11, $75,000 bonds, alternate types paving various streets.

Ark., Ft. Smith—Election in late spring or early summer $360,000 bonds, opening 7 streets between Rogers and Garrison Aves., also widening South 7th and 8th Aves. W. H. Evans, city engr. Noted Jan. 13.

Tex., Abilene—See "Unclassified."

Tex., Cameron—Milam Co. making plans gravel and bituminous surfacing 12.159 mi. Cameron-Thondale-Elgin Rd., $126,300; also bituminous macadam paving 15.067 mi. Highway 43, $125,000. A. T. Mitchell, Cameron, engr.

Tex., Corsicana — Navarro Co. making plans 6 in. rein.-con. paving 1.082 mi. Highway 22. $30,000. W. W. McClendon, Corsicana, co. engr.

Tex., Cotulla — La Salle Co. election probably latter part March, $600,000 bonds, hard paving 40 mi. highway east from here; artesian wells to Dimmitt Co. line; and missing gap in Meredian Highway. Total $1,000,000. State and Federal Aid appropriate $400,000 toward cost. V. B. Harris, Cotulla, co. engr.

Tex., Decatur—Wise Co. making plans stone surfacing 7.765 mi. Highway 39. $138,800. H. R. Hays, Decatur, engr.

Tex., Edinburg—Hidalgo Co. election in March, $5,000,000-$6,000,000 bonds, hard paving etc. 200 mi. various highways. Address P. S. Devine, Edinburg, co. engr. $3,500,000 voted in 1925 has been set aside by court order. Noted Jan. 7 and Dec. 23, 1926.

Tex., Fort Stockton—Pecos Co. election soon $500,000 bonds, hard surfacing 80 mi. all roads leading into Fort Stockton. Address J. Stovall, Fort Stockton, co. engr.

Tex., Goliad — Goliad Co. election in March, $1,250,000 bonds, rock asphalt paving 30 mi. Highway 12, and hard paving 110 mi. various roads and grading laterals. Address W. E. Fowler, Goliad, co. judge.

Tex., Houston—Harris Co. making plans grading, bridging rein.-con. paving 5 mi. Highway 6, 18 ft. $175,000. Howe & Wise, 816 1st Natl. Bank Bldg., engrs.

Tex., Quanah — Hardeman Co. making plans grading, bridging, etc., 7 mi. Highway 5, extending west from Quanah, 26 ft. $44,000. J. B. Nabors, Quanah, co. engr.

Tex., San Antonio—See "Unclassified."

Tex., San Antonio—City and Bexar Co. making plans hard paving 7 blocks cross road between Woodlawn Ave. and Culebra Rd., 20 to 100 ft. $40,000. Address A. McCloskey, judge Bexar Co., or J. W. Tobin, mayor.

Tex., San Benito—Soon takes bids paving various streets. $60,000 bonds voted. J. S. Brown, mayor.

Oklahoma—State Hy Dept., Oklahoma City, making preliminary plans grading, graveling, etc., 10 mi. Ft. Sill Rd., 30 ft., Comanche Co. $137,000. J. M. Page, Capitol, Oklahoma City, engr.

Oklahoma—State Hy. Dept., Oklahoma City, making preliminary plans grading, etc., 6 mi. Hunter-Billings Rd., 30 ft., Garfield Co. $40,000. J. M. Page, highway engr.

Okla., Hunter—Plans grading, curbing and concrete paving 9,700 sq.yd. Main St. $28,370. H. C. Suter, mayor. Engineer not selected.

Okla., Oklahoma City—Plans grading and concrete paving 8,300 sq.yd. South 37th St. $34,690. B. M. Hart, City Hall, engr.

Okla., Oklahoma City — Plans grading, curbing, guttering and concrete paving 6,960 sq.yd. South Robinson Ave., $38,217; also grading, curbing and sheet asphalt paving 5,775 sq.yd. Avenue A, 33rd, 40th and McKinley Sts., $27,461. B. M. Hart, City Hall, engr. Noted May 27.

Okla., Seminole—Plans grading, curbing, guttering and concrete paving 6,900 sq.yd., and vertical brick paving 12,700 sq.yd. Main and 2nd Sts. $91,360. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Shidler — Plans grading, curbing and concrete paving 5,300 sq.yd. South Cosden Ave. $27,804. V. V. Long & Co., Colcord City, engr.

Wash., Mt. Vernon—Comrs. Skagit Co. take bids about Mar. 14, concrete paving, etc., 2 mi. Cook Rd. Extension. $35,000. R. E. Knapp, Mt. Vernon, co. engr.

Wash., Seattle—Made plans surfacing 51 mi. streets; also 7.5 mi. watermains and 4.75 mi. sewers in various streets. W. C. Morse, city engr.

Wash., Seattle—Comrs. King Co. soon take bids grading and paving 1 mi. Kent-Des Moines Rd., $45,000; paving 3 mi. Benson Rd. $90,000, and 4 mi. Redmond-Kirkland Rd. $120,000. D. Evans, Seattle, co. engr.

California—State Hy. Dept., Sacramento, plans regrading and repaving Dublin Canyon Rd. between Hayward and Livermore, Alameda Co. $500,000 or more. R. M. Morton, Strub Bldg., Sacramento, engr.

Calif., Anaheim — Plans curbing, walks and 6 in. concrete paving portions North and South Palm Sts. To exceed $25,000. E. Hapgood, city engr.

Calif., Bakersfield—Plans paving, etc. Union Ave. between Kentucky and 34th Sts. and R St. between 21st and 24th Sts. To exceed $25,000. W. D. Clarke, city engr.

Calif., Burbank—Plans improving various streets, $750,000; also curbing and sidewalks in various sections of city, $200,000. T. R. Mini, city engr.

Calif., Chico — Plans curbing, paving, etc., Mansion Park Dist. $80,000. R. Witt, city engr.

Calif., Culver City — Plans grading, walks and 5 in. vibrolithic concrete paving, etc., Rosabelle and Wade Sts., etc. To exceed $25,000. H. O. Hanford, city engr.

Calif., Escondido—Plans curbing, paving, etc. various streets. To exceed $25,000. F. C. Witt, city engr.

Calif., Glendale—Plans concrete paving, etc. Alpha Rd., Woodland Lane, etc. To exceed $25,000. J. F. Johannsen, city engr.

Calif., Hayward—Made plans curbing, guttering, and 1½ in. on 3½ in. asphalt paving, etc., 220,000 sq.ft. 2nd and D Sts., etc. J. B. Holly, Bank of Italy Bldg., engr. Noted Feb. 24.

Calif., Hayward—Plans probably asphaltic concrete paving portions 2nd, Simon and Grace Sts., etc. To exceed $25,000. M. B. Templeton, city clk.

Calif., Huntington Park — Made plans curbing, walks, guttering and 6 in. asphaltic concrete paving 638,615 sq.ft. Walnut St., etc. H. McCurdy, city engr.

Calif., Lakeport — Plans paving, etc., Forbes St. between Clear Lake and 2nd Aves. $57,000 or more. J. P. Davis, town engr.

Calif., La Mesa—Plans curbing, walks ornamental lighting system, and concrete paving, etc., Pasadena Ave., Avon and Windsor Drs., etc. To exceed $25,000. E. C. Upp, city clk.

Calif., Los Angeles — Los Angeles Co. made plans grading and 2 in. on 6 in. asphaltic concrete paving, etc., 47,285 sq.ft. La Brea Ave. G. W. Jones, Hall of Records, engr.

Calif., Los Angeles—Plans opening and widening approximately 5 mi. Santa Barbara Ave. $4,000,000. J. Shaw, city engr.

Calif., Los Angeles—Plans grading, curbing, walks and concrete paving, etc. Redcliff and Effie Sts., to exceed $25,000; 5 in. concrete paving approximately 1½ mi. Eaton St. and Ave. 57; 6 in. concrete paving 0.6 mi. Otsego St. and Fair Ave. Impvt. Dist., also 11,065 ft. Melrose Ave.; 8 in. concrete paving, etc. approximately 5 mi. Tyburn and Hansen Ave. Impvt. Dist. also 1 mi. Pendleton Ave. 20 ft.; concrete paving 0.66 mi. and National paving 4.85 mi. Verdun Ave. and San Vicente Blvd. Impvt. Dist., also 6.63 mi. concrete, asphaltic concrete and National paving Bristol and Evanston Aves. (both in Sawtelle Dist.). J. Shaw, city engr.

Calif., Los Angeles—Los Angeles Co. plans probably concrete paving Rosecrans Ave. between Los Angeles city limits and Manhattan Beach. To exceed $25,000. G. W. Jones, Hall of Records, engr.

Calif., Los Angeles—Plans cement walks, concrete and asphaltic concrete paving, etc. 12th St. between Queen Anne Pl. and Rimpau Blvd., to exceed $25,000; also paving Devonshire St. in San Fernando Valley Dist. J. Shaw, city engr.

Calif., Quincy—Plumas Co. plans reconstructing Quincy-Blairsden Co. Rd. $300,000. Plumas Co. appropriated $25,000, and U. S. Bureau Pub. Roads $85,000, toward cost.

Calif., Salinas — Plans widening and paving Monterey St. $25,000. H. Cozzens, city engr.

Calif., San Bernardino—Plans grading, rein.-con. bridging, 5 in. asphaltic concrete paving, etc. Chino and Ramona Aves., etc. To exceed $25,000.

Calif., San Bernardino — Plans improving various streets, incl. curbing $50,000, sidewalks $75,000, grading and repaving $45,000, and paving $350,000.

Calif., San Diego—Plans curbing, guttering and grading etc. 15,963 cu.yd. Orange Ave.; grading and sidewalks, etc on 106,231 sq.yd., Epsilon St.; grading, curbing, guttering and 6 in. concrete paving 25,658 sq.yd. all streets of El Cerito Heights, 2,478 sq.yd. Long Branch St., etc. also 6 in. asphalt topping etc. West Atlantic St., etc., and Nettleship-Type Tract 1. F. A. Rhodes, City Hall, engr.

Calif., San Diego—Supervs. San Diego Co. rejected bids Feb. 14, improving Lemon Grove Blvd., known as Bway. extension.

Calif., San Diego—Common Council plans curbing, sidewalks and 6 in. concrete paving, etc., 165,144 sq.ft. Crystal Dr., Ocean Blvd., etc. F. A. Rhodes, city engr.

Calif., San Francisco — Plans curbing, walks, and paving, etc., Grand View Ave. in connection with Market St. extension. $70,000. M. M. O'Shaughnessy, city engr.

Calif., San Mateo—Plans paving, etc. D, E, F and G Sts., etc., East San Mateo section. To exceed $25,000. O. F. Weisgerber, city mgr.

Calif., San Mateo — Plans sub-grading and 8 x 6 x 8 in. concrete paving, etc., 328,000 sq.ft. streets in south east section of city. O. F. Weisgerber, city engr. Noted Dec. 2.

Calif., Santa Ana—Plans curbing, 4 in. asphaltic concrete paving, etc., portions Fruit, Santiago and Logan Sts., etc. To exceed $25,000. C. L. Jenkins, city engr.

Calif., Santa Ana—Made plans paving various streets, 172 tons asphaltic concrete, 6 tons rock and oil macadam, etc. E. L. Vegely, city clk.

Calif., Santa Barbara — Plans election $450,000 bonds, curbing, walks, etc., on Cabrillo Blvd. C. W. Moore, city engr.

Calif., Sierra Madre — Plans curbing, guttering, walks and oil macadam paving, etc. Adams St., Laurel and Highland Aves., etc. To exceed $25,000. L. Dietz, city clk.

Calif., Ventura — Plans curbing, walks and paving, etc. streets in east section of city. $1,500,000. C. W. Pierce, city engr.

Ont., Bothwell—Kent Co. plans concrete paving probably 10,000 sq.yd. main streets. $32,000. W. D. Colby, Harrison Hall, Chatham, engr. Noted Feb. 18, 1926.

Ont., Brampton—Peel Co. making plans gravel, macadam and concrete paving various roads, $60,000. N. L. Powell, County Bldg., engr.

Ont., Gravenhurst—Making plans asphalt on concrete paving 6,000 sq.yd. main streets. $25,000. W. H. Butterworth, Gravenhurst, clerk.

Ont., Hamilton—City Council making plans concrete curbing, guttering and asphalt on concrete paving Queen St., Fairfield and Newlands Aves. $51,990. W. L. McFaul, City Hall, engr.

Ont., Kitchener—Council making plans concrete paving Onward and Samuel Sts., and approximately half mile sanitary sewers. $50,000. S. Shupe, City Hall, engr.

Ont., Ottawa—Carleton Co., County Bldgs., plans grading, concrete, asphalt and macadam paving various roads. $136,000. T. H. Byrne, 72½ Sparks St., engr.

Ont., Owen Sound—Grey Co. Council, J. A. Pringle, chn. Roads Com., County Bldgs., plans concrete paving various roads. $160,000.

Ont., Rockton—Ontario Dept. Pub. Highways, Toronto, making plans concrete, asphaltic concrete, asphaltic macadam or waterbound macadam paving 12 mi. cut-off between Rockton and Clappisons Corners, 20 ft., $300,000. R. M. Smith, Parliament Bldgs., Toronto, ch. engr.

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Streets and Roads (Continued)

Ont., St. Thomas—Elgin Co. making plans grading, macadam, concrete and gravel paving 5 mi. various roads. $80,000-$100,000. F. Pineo, County Bldgs., engr.

Ont., Stratford — Perth Co. Council, County Bldgs., plans gravel, macadam and concrete paving various roads. $150,000. J. Roger, Mitchell, engr.

Ont., Toronto—City Council plans asphalt on concrete paving Hendrick Ave., and Crawford St.; concrete paving Lane 1st west of Lisgar St., grading and opening 2 lanes, and widening various downtown streets, $534,377. R. C. Harris, City Hall, engr.

Ont., Toronto—York Co. making plans macadam, waterbound, bituminous, asphalt and concrete paving 8-9 mi. suburban roads. $150,000. Engineer not selected. R. W. Phillips, 57 Adelaide St. E., clk.

Ont., Welland—Making plans sheet asphalt or concrete paving 15,000 sq.yd. various streets. $50,000. C. L. Coulson, City Hall, engr.

Ont., Welland — City Council making plans concrete paving Riverside Dr., Avenue Pl., Young, Welland, East Main and Division Sts. $35,000. A. Coulson, City Hall, engr.

Ont., Windsor—Council plans rein.-con. paving Grove St. $50,000. M. E. Brian, City Hall, engr.

Que., Quebec City—Dept. Pub. Wks. plans roadway over Quebec Bridge, $400,000.

Bids Desired

N. Y., Bronxville — Mar. 14, at office Westchester Co. Park Comn., 72 Pondfield Rd., grading and paving 2,750 ft. Driveway through Tibbetts Brook Park from Midland Ave. to point 600 ft. east of railroad. J. Downer, ch. engr.; adv. E. N.-R Mar. 3.

N. Y., Brooklyn—Mar. 9, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, permanent asphalt on 6 in. concrete paving Elmore Pl., Perry Terrace, Avenue T, Lott and Ovington Aves., East 8th, East 26th and 82nd Sts.

N. Y., New York—Mar. 9, by J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt on concrete paving 58th St.; grading and granite block repaving Avenue B, 1st Ave. and Allen St.

N. Y., Buffalo—Mar. 14, at office Dept. Pub. Wks., Municipal Bldg., repairing asphalt pavements during 1927. J. J. Love, comr Pub. Wks.

N. Y., Peekskill—Mar. 22, at office Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, grading and improving Bronx Parkway Extension from end Peekskill Creek Viaduct to Albany Post Rd., here, Contr. 26. J. Downer, ch. engr.; adv. E. N.-R. Mar. 3.

N. Y., St. George — Mar. 9, by J. A. Lynch, pres. Richmond Boro, bituminous concrete paving Harrison Ave.; and temporary sanitary sewer in Kissam Ave.

New Jersey—Mar. 14, by State Hy. Comn., Trenton, grading, bridging and 8 in. double rein.-con. paving, etc. 56,000 sq.yd. Route 20, Sect. 7, Vineland-Malaga Rd. Cumberland and Gloucester Counties. A. L. Grover, secy., adv. E. N.-R. Mar. 3.

N. J., Keyport — Mar. 9, by Freeholders Monmouth Co. (Freehold), concrete paving 2.59 mi. Keyport-Keansburg Rd., and 3 rein.-con. and encased I-beam bridges. G. K. Allen, Red Bank, engr.

N. J., Paterson—Mar. 9, by Freeholders Passaic Co., Court House, sheet asphalt paving approaches to Bloomfield Rd. new crossing over Delaware, Lackawanna & Western railroad tracks. G. Ferguson, Court House, co. engr.

Md., Baltimore—Mar. 9, by Bd. Awards, grading 41,000 cu.yd. streets listed in Contr. 385. S. Purcell, City Hall, highways engr.

D. C., Wash.—Mar. 14, by Dist. Comrs., District Bldg., widening, paving and repaving various streets.

D. C., Wash. — Mar. 16, by District Comrs., District Bldg., concrete paving roadways, etc.

W. Va., Phillippi—Mar. 14, Barbour Co. Court, Court House, grading, bituminous macadam paving 1.5 mi. Nestorville-Phillippi Rd., Project 12-A, Glade Dist. J. F. Hewitt, clk.

W. Va., Winfield—Mar. 14, by Comrs. Putnam Co., grading, etc., 4 mi. Teays Valley Rd., Scott Dist. $65,000. State Road Comn., Charleston, will supervise work. T. M. Henson, Court House, co. clk.

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South Carolina—Mar. 10, by State Hy. Dept., Columbia, concrete paving, etc., 3 mi. Route 12, State Project S-522-B, Aiken Co., 7.7 mi. Route 3, Federal Aid Project 171-A, Contr. 2, Marion Co., H. G. Jones, Florence, engr., 8 mi. State Project S-591, and 6.6 mi. Federal Aid Project 144, Charleston Co., 14.9 mi. Federal Aid Project 59, 10.8 mi. Federal Aid Project 63, and 9.6 mi. State Project S-507, Berkley Co., also constructing embankments to Lower Santee River Bridge on Route 40, Federal Aid Project 39-B, Charlestown-Georgetown Counties, State Highway Engineer, Columbia, engr.; grading, etc., Route 8, State Project S-615-B, Spartanburg Co., State Highway Engineer, Columbia, engr.; sand clay surfacing, etc., 3.6 mi. Route 45, State Project S-630-B, Calhoun Co., H. C. Mobley, Orangeburg, engr. and 1.5 mi. approaches to Salkehatchie River Bridge, and bridges in Whippy Swamp on Route 36, Colleton-Hampton Counties, H. C. Mobley, Orangeburg, engr.; overhead bridge over Southern R.R. tracks, Route 27, Federal Aid Project 272, Edgefield Co., bridge over Seneca River, on Route 2, Project 38-E, and raising old bridge 240 ft. and addition six 15 ft. spans, Oconee-Pickens Counties, also rein.-con. bridge, on State Project S-591, Charleston Co., State Highway Engineer, Columbia, engr.

Florida—Mar. 22, by State Road Dept., Tallahassee, **(P. means Project and R. means Road)** asphalt on 8 in. Florida lime rock paving 19.27 mi. P. 614, R. 5, Sarasota Co.; concrete and asphalt on 8 in Florida lime rock paving 15 mi. P. 687-A, R. 2, Lake Co.; 8 in. Florida lime rock paving P. 648, R. 2, Hardee Co., 14.2 mi. P. 543, R. 3, Seminole Co., 2.8 mi. P. 659, R. 3, Clay Co., 13.45 mi. P. 668, R. 4 Brevard Co., 3.93 mi. P. 564-C, R. 5, Charlotte Co., and 15.01 mi. P. 676-C, R. 19, Levy Co; clearing, grubbing, etc. 16.81 mi. P. 573-D, R. 2, Orange Co., and 10 mi. P. 713, R. 28, Columbia Co. J. L. Cresap, state highway engr.

Ala., Birmingham — Apr. 20, by City Comn., asphalt paving 2 blocks Princeton Ave., 60 ft., $8,350; also asphalt on concrete paving 5 blocks 7th Ave. and 7th Court, 50 ft., $27,300. A. J. Hawkins, city engr.

Miss., Gulfport—Mar. 8, by Bd. Supervs. Harrison Co., grading, 2 in. machine mix penetration gravel on old gravel surfacing, etc., 42,730 sq.yd. Handsboro-Gulfport Highway, $50,000; also 21,120 ft. 6 x 12 in. concrete header on Magnolia Highway. $15,000. W. T. Hawkins, Court House, engr.

Miss., Philadelphia — Mar. 15, by Bd. Supervs. Neshoba Co., improving 18.13 mi. Federal Aid Project 192-B, between Philadelphia and Meridian, 155,099 cu.yd. excav., 31,714 cu.yd. borrow, 121,348 lb. reinforcing, 8.71 mi. Bermuda sod, also 110,796 ft. creosoted lumber, 3,528 ft. untreated lumber, 5,130 ft. creosoted piling, etc., in bridges over 20 ft. span. H. C. Dietzer, Jackson, engr.

La., Abbeville—Mar. 15, by Police Jury Vermillion Parish, improving roads in Dist. 5, incl. 2.5 mi. road from Abbeville-Intra-Coastal canal highway at dipping vat at Mouton's Grove west; 2.5 mi. on Bayou-Vermillion road from Abbeville-Intra-Coastal Canal highway at Sta. 242 east to Bancker; 1.2 mi. from Abbeville-Intra-Coastal Canal highway at Sta. 133 west; .5 mi. from Coule Kinney Bridge south and west along twp. line to Sixth Ward line. R. I. Tanner, Court House, engr.

Kentucky—Mar. 31, by State Hy. Dept., Frankfort, **(F.A.P. means Federal Aid Project and S.A.P. means State Aid Project)**, grading, etc. 15.2 mi. Columbia-Burkesville Rd., S.A.P. 51-A, Adair Co., 8.7 mi. New Castle-Frankfort Rd., S.A.P. 164½-A, Henry and Shelby Counties, 10 mi. Kuttawa-Princeton Rd., F.A.P. 162-A, Lyon Co., 15.6 mi. Eggners Ferry-Benton Rd., F.A.P. 163-A and S.A.P. 1-A, Marshall Co., 10.6 mi. Shawneetown-Morganfield Rd., S.A.P. 75-A, Union Co.; surfacing 5.9 mi. Owensboro-Hawesville Rd., F.A.P. 112-B, and 4.2 mi. Owensboro-Stanley Rd., S.A.P. 8-G, Daviess Co., 4.1 mi. Elizabethtown-Old Stephensburg Rd., F.A.P. 147-A, Hardin Co., and 3.6 mi. Nicholson-Walton Rd., S.A.P. 104-A, Kenton Co.; grading, and surfacing 0.312 mi. Corbin-London Rd., S.A.P. 5-D, Laurel Co., and 12.4 mi. La Grange-Louisville Rd., S.A.P. 19½-A, Oldham Co.; delivery crushed stone dumped on 4.2 mi. Georgetown-Cynthiana Rd., S.A.P. 58½-B, Harrison and Bourbon Counties, 12.3 mi. Whitley City-Somerset Rd., S.A.P. 22-E, and 1.8 mi. Whitley City-State line Rd., S.A.P. 22-F, both McCreary Co., also 16.6 mi. Somerset-Whitley City Rd., S.A.P. 22-D, Pulaski Co. E. N. Todd, highway engr. Noted Feb. 3.

O., Akron—Mar. 21, by W. F. Peters, dir. Pub. Serv., grading, curbing, walks and vitr. brick paving, etc., 11,654 sq.yd. Pondview Ave. et al $93,700, 5,140 sq.yd. McGowan St. et al $37,600, 5,510 sq.yd. Hollows St. $40,500, 3,880 sq.yd. Buckingham St. et al $34,900, 1,890 sq.yd. Norka Ave. $12,900, and 2,385 sq.yd. Hammel St. $15,600. E. A. Kemmler, Municipal Bldg., engr.

O., Columbus—Mar. 8, by W. H. Duffy, dir. Pub. Serv., grading, curbing, guttering and cement walks, etc. on 5,900 sq.yd. High St., $97,000; also grading, curbing, macadam paving 1,100 sq.yd. and brick paving 12,300 sq.yd.; etc. Dennison Ave. overhead crossing. $80,000. Noted Dec. 16.

O., Toledo—Mar. 14, by W. B. Guitteau, dir. Pub. Serv., brick, asphalt block and sheet asphalt paving, etc. 2,840 ft. Greenwood Ave., $48,100, 3,776 ft. Front St. $68,000, alleys and sections minor streets $81,261, 2,447 ft. 14th St. $55,200, 5,056 ft. Pearl St. $93,500, 3,735 ft. Parkside Blvd. $66,400, and 1,412 ft. Galena St. $34,500. A. H. Smith, 207 Safety Bldg., engr.

Ind., Anderson—Mar. 15, by C. Forkner, aud. Madison Co., concrete paving 1 mi. Arthur Doan Rd., 18 ft. $29,734. A. B. Steele, Court House, co. surv.

Ind., Anderson — Mar. 15, by Comrs. Madison Co., concrete paving 1½ mi. 38th St., 25 ft. $35,000. Address County Surveyor, Court House, Anderson.

Ind., Anderson—Apr. 15, by Comrs. Madison Co., concrete paving 1 mi. 3 short streets, 28 ft. $35,000. A. B. Steele, Court House, surv.

Ind., Salem—Mar. 7, by Comrs. Washington Co., paving 19,316 ft. Delaneys Creek Rd. $51,335.

Mich., Detroit—Mar. 10, by Dept. Pub. Wks., 4 in. concrete sidewalks and 6 in. concrete driveways on Sect. 1 east of Woodward Ave. between East Grand Blvd. Detroit River and Warren Ave.; Sect. 2 between West Grand Blvd., Michigan Ventral right-of-way, River Rouge and West Grand Blvd., Sect. 3 between Warren, Connors and Mack Aves., city limits and Detroit River; Sect. 4, east of West City Limits between Tireman, West Grand Blvd. and Railroad right-of-way. P. A. Fellows, City Hall, city engr.

Illinois—Mar. 16, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete, vitr. brick or bituminous concrete with or without binder course, paving 3.02 mi. Route 6, Sect. J-R, Cook and Du Page Counties, 5.1 mi. Route 47, Sect. 118, and 8.84 mi. Route 47, Sect. 119, both Grundy Co., 5.9 mi. Route 70, Sect. 106, and 9.74 mi. Route 70, Sect. 107, Ogle Co., 8.53 mi. Route 70, Sect. 109, Ogle and Lee Counties, 2.67 mi. Route 83, Sect. 122, Mercer Co., 6.26 mi. Route 88, Sect. 101, Whiteside Co., 3.52 mi. Route 91, Sect. 112, and 3.97 mi. Route 91, Sect. 114, both Peoria Co., 3.54 mi. Route 99, Sect. 101, and 5.58 mi. Route 99, Sect. 102, Hancock Co., 6.54 mi. Route 113, Sect. 111, and 5.14 mi. Route 113, Sect. 112, Will Co., 5.9 mi. Route 127, Sect. 111, Bond Co., 5.91 mi. Route 152, Sect. 104, and 7.32 mi. Route 154, Sect. 108, Perry Co., 4.34 mi. Route 158, Sect. 134, and 6.26 mi. Route 158, Sect. 135, both St. Clair Co.; also grading 0.27 mi. Route 12, Sect. 31-A, St. Clair Co., 0.22 mi. Route 25, Sect. 22-A, Douglass Co., 0.18 mi. Route 26, Sect. 4-A, Ogle Co., 0.58 mi. Route 47, Sect. 119-A, Grundy Co., 4.57 mi. Route 83, Sect. 123-A, Mercer Co., 1.05 mi. Route 91, Sect. 113-A, Peoria Co., 0.68 mi. Route 152, Sect. 104-A, and 0.46 mi. Route 154, Sect. 108-A, Perry Co. F. T. Sheets, ch. highway engr.

Ill., Chicago — Mar. 8, by Bd. Local Impvts., Room 207, City Hall, curbing, guttering, etc., concrete sidewalks, etc., on both sides portion East 22nd St., Northwestern South Ashland and North Ashland Aves. F. X. Rydzewski, vice pres.

Ill., Galesburg—Mar. 8, by Bd. Local Impvts., grading, curbing, guttering and vertical fibre brick on 4 in. concrete paving etc. 3,458 sq.yd. Brooks St. A. L. Richey, City Hall, engr.

Wisconsin—Mar. 8, by State Hy. Comn., W. F. Baumgartner, div. engr., Div. Office 6,213 South Barstow St., Eau Claire, **(F.A.P. means Federal Aid Project and S. P. means State Project)**, grading, concrete paving, etc. F.A.P. 369-A, Chippewa Falls Co., Option A, 46,067 sq.yd., Option B, 96,023 sq.yd., and Option C, 142,091 sq.yd., F.A.P. 403-B and 191, Clark Co., 31,380 sq.yd., F.A.P. 370-E, 152-S and 3,295, Dunn Co., Option A, 63,130 sq.yd., Option B, 72,397 sq.yd., and Option C, 135,527 sq.yd.

Streets and Roads (Continued)

F.A.P. 15-S, 330-S, 370-F and 309-S, St. Croix Co., Option A, 71,789 sq.yd. on Project 15-S and 330-S, Option B, 29,283 sq.yd. Project 370-F and 309, and Option C, 101,672 sq.yd. Projects 15-S, 330-S, 370-F and 309-S combined; also constructing Strader Bridge in Eau Claire Co., Cunningham Bridge, Clark Co., and Reiman Bridge, Taylor Co.

Wisconsin—Mar. 11, by State Hy. Comn., A. L. Hambrecht, div. engr., and W. Halbersleben, comr. Sauk Co., Baraboo, **(F. A. P. means Federal Aid Project and S. A. P. State Aid Project)**, grading and concrete paving 60,935 sq.yd. F. A. P. 425-A, Columbia Co., and 69,532 sq.yd. F. A. P. 444-A, Dodge Co.; also grading, graveling, etc., 7,553 cu.yd. S. A. P. 1885, Sauk Co.

Ia., Guthrie Center — Mar. 8, at office Auditor Guthrie Co., 40,370 cu.yd. excav., etc., in Orange and Grant Twps.

Ia., Keokuk—Mar. 16, by H. B. Blood, city clk., curbing, guttering and sheet asphalt or warrenite bitulithic resurfacing 14,928 sq.yd. Exchange St. $32,246. Brown & Cook, 108 North Market St., Ottumwa, engrs.

Ia., Le Mars—Mar. 9, at office Auditor Plymouth Co., graveling 16,744 cu.yd. Primary Project 492.

Ia., Norwood—Mar. 8, at office Auditor Worth Co., grading, graveling, etc., 11.5 mi. new roads and 2.5 mi. maintenance gravel on County Road System. T. Teall, Northwood, co. engr.

Ia., Orange City—Mar. 8, at office Auditor Sioux Co., grading, etc., 17.2 mi. S-115, S-117 and S-118, 109,262 cu.yd. excav., 31,333 sta.yd. overhaul and 1,022 ft. 18 and 24 in. culvert labor.

Ia., Ottumwa — Mar. 8, by City Clerk, rein.-con. paving 10,336 sq.yd. various streets. Brown & Cook, 108 North Market St., engrs.

Neb., Emerson—Mar. 8, by Town Clerk, alternate types paving, etc. 10 blocks various streets. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs. Noted Feb. 3.

Mo., St. Louis — Mar. 15, by Bd. Pub. Serv., 208 City Hall, granite block paving 1,240 sq.yd. 6th St., $9,680; amiesite paving 1,760 sq.yd. Harris St. $14,280, and 1,395 sq.yd. Russell Pl. $9,880; rein.-con. paving 1,515 sq.yd. Bessie Ave. $8,000, 1,760 sq.yd. Elizabeth St. $9,800, 2,160 sq.yd. Elizabeth St. $11,160, and 1,210 sq.yd. Humphrey St. $7,600; asphaltic concrete paving 1,125 sq.yd. Aubert St. $6,440, and 1,300 sq.yd. Kossuth St. $8,600; asphalt paving 940 sq.yd. Eichelberger St., $7,000; and warrenite bitulithic paving 2,320 sq.yd. Eiler St. $16,400, and 1,205 sq.yd. San Francisco St. $7,460. W. W. Horner, 300 City Hall, engr.

Tex., Anderson—Mar. 10, by R. W. Barry, judge Grimes Co., grading, bridging, etc., 13.89 mi. Highway 90, 26 ft. O. A. Seward, Jr., Navasota, co. engr. Noted Feb. 3.

Tex., Galveston—Taking bids permanent paving 26 blocks various streets. $125,000. C. A. Holt, Jr., Galveston, engr.

Tex., Houston—Mar. 14, by H. L. Washburn, aud. Harris Co., grading, Bates Section concrete, asphalt or brick on concrete slab paving 5 mi. Houston Ave. Cut-off Rd., 18 ft. $175,000. Howe & Wise, 816 1st Natl. Bank Bldg., engrs.

Tex., Midland—Mar. 10, by B. F. Haag, mayor, curbing, guttering, concrete, brick, Uvalde rock asphalt, warrenite bitulithic or willite paving 34,442 sq.yd. various streets. $100,000. Montgomery & Ward, Wichita Falls, engrs.

Calif., Los Angeles—Mar. 21, by Supervs. Los Angeles Co., curbing, guttering, walks and grading, etc., 11,212 cu.yd. Michigan Ave., Impvt. 374; also concrete paving and grading, etc., 11,517 cu.yd. Walnut and 182nd Sts., Impvt. 551. To exceed $50,000. Noted Feb. 10.

Calif., Los Angeles—Bd. Pub. Wks., taking new bids grading, curbing, walks, asphaltic concrete surfacing and concrete paving, etc., Glendale Blvd. between Waverly Dr. and Silver Ridge Ave. Former bids rejected. Noted Feb. 3.

Calif., Merced — P. J. Thornton, surv. Merced Co., taking bids concrete 7 x 5 x 7 in., 5 in. asphalt, oil macadam, or 7 in. penetration method paving 2.385 mi. Hilmar-Irwin-Stevinson Rd., Sect. 4. W. E. Bedesen, Merced, co. surv.

Calif., Modesto—Mar. 15, by C. C. Eastin, clk. Stanislaus Co., 5,400 lin.ft. concrete shoulders in Dakota Ave. and 14,100 lin.ft. Woodland Ave., etc. J. H. Hoskins, Modesto, co. surv.

Calif., Sonoma—Mar. 15, by W. S. Coulter, clk. Sonoma Co., grading and concrete paving, etc., 2,725 cu.yd. Healdsburg to Forestville Highway Sect. "A" $35,000. E. A. Peugh, Santa Rosa, co. surv.

Calif., Ventura—See "Contracts Awarded"

Calif., Ventura—Mar. 15, by L. E. Hollowell, clk. Ventura Co., concrete or asphaltic concrete paving 5th St. between Oxnard city limits and Pacific Ocean. To exceed $25,000. C. W. Petit, Ventura, co. surv.

Bids Received

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Feb. 25, granite block paving Bway., from J. M. Meehan & Son, 90 West St. $256,941, and 3rd Ave., from Asphalt Constr. Co., 2197 Madison Ave., $255,171; sheet asphalt paving Bway., from W. J. Fitzgerald, 547 West 45th St. $51,523, and railroad area, from Cleveland Trinidad Paving Co., Flushing, $43,885. Noted Feb. 17.

New Jersey—State Hy. Comn., Trenton, Feb. 28, for Delaware River Bridge Approaches, grading Connecting Rd., Sect. 4A, 5, 6, and Route 6, Sect. 17, Collingswood to Westville, Camden Co., from S. J. Grove & Sons Co., 114 Marlton Pike, Camden, $1,139,337. Noted Feb. 17.

Contracts Awarded

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to F. Persicano, 489 Lenox Rd., grading, curbing and bituminous macadam paving Avenue L, $12,145; to G. M. Mandato, 201 Neck Rd., Albany Ave. $2,444, and Newport St. $3,355; to Grimm Contg. Co., 8538 107th St., Richmond Hill, East 42nd St., $2,316; to J. D. Norton, 20 Sterling Pl., East 19th St., $796; to B. Turecamo Contg. Co., 8706 16th Ave., Stillwell Ave. $91,296, 19th Ave. $3,445, 21st Ave. $4,458, 68th St. $11,741, and 84th St. $9,637, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., East 19th St., etc., $13,731, Avenue M $8,665, and Avenue T $6,131; to Cranford Co., 92 9th St., Newport St. $11,562, Pine St., etc., $6,963, Rockaway Parkway $22,430, and Winthrop St. $36,606. Grand total $247,721. Noted Feb. 24.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., to Asphalt Constr. Co., 208 Bway., granite block paving Boston Rd., $324,909; to C. D. Beckwith, Inc., Seneca Ave. and Edgewater Rd., asphalt paving Walton Ave. $25,969, and Popham Ave. $23,960, to Gaffney Constr. Co., Storey and Hermany Aves., Burke Ave. $62,930; to Gramaglia Bros., 48 East Kingsbridge Ave., grading, sidewalks, etc., Dewey Ave. $6,895, and Woods Ave. $13,755, to M. Del Balso, 2551 Cruger Ave., Hennessy Pl. $10,150, Hone Ave. $7,727 and Brady Ave. $22,252. Grand total $498,820. Noted Feb. 24.

N. Y., St. George—J. Lynch, pres. Richmond Boro, Boro Hall, resetting curb and sidewalks on Richmond Terrace, to Vanbro Constr. Co., 20 Elizabeth St., Port Richmond, $1,186; also 2nd hand granite block paving Hylan Blvd., and grading Hylan Blvd. at New Dorp, to Stapleton Contg. Co., 78 Taylor St., West New Brighton, $3,010 and $32,513 respectively. Grand total $36,709. Noted Feb. 24.

Pa., Pittsburgh—Repaving Soho St., to G. S. White Co., Jenkins Arcade, $25,742. Engrs. est. $22,500.

Pa., Pittsburgh—Repaving Tyndall St., to M. O'Herron Co., South 1st and McKean Sts., $25,571. Engrs. est. $25,000. Noted Feb. 10.

W. Va., Wayne — Wayne Co., grading, graveling, etc. Road Echo to Ft. Gay, to Hatfield Constr. Co., 418½ 10th St., Huntington, $83,511.

Ala., Bessemer—City Council, asphalt on 6 in. concrete paving nine blocks 3rd Ave., to Jones Paving Co., Amer. Trust Bldg., Birmingham, $45,993. Engrs. est. $46,100.

Ala., Birmingham — Asphalt on concrete paving, etc. 3 blocks 6th Ave. N., 60 ft., to Southern Roads Co., Pioneer Bldg., $31,889, engrs. est. $36,100; also 5 blocks Aves. O and P, Ensley, 40 ft., to Morgan Hill Paving Co., Woodward Bldg., $25,578, engrs. est. $30,000. Noted Feb. 24.

Ala., Birmingham—City Comn., **(e.e. means engrs. est.)** asphalt paving 2 blocks 6th Court, South and 7th Ave. S., to Woodrucker Constr. Co., Amer. Trust Bldg., $6,003 e.e. $7,450, and 1 block 27th St. and Alley S, to Morgan-Hill Paving Co., Woodward Bldg., $4,746 e.e. $5,200; asphalt on concrete paving 2 blocks Alley S. and 47th St., to Henning & Bragan, Amer. Trust Bldg., $1,988 e.e. $2,600, 2 blocks 4th Ave. N., and 7th Ave. S., also 1 block 5th Ave. S., to Independent Paving Co., Amer. Trust Bldg., $12,697 and $7,654 respectively e.e. $14,225 and $8,170 respectively. Grand total $33,088.

La., Jennings — Jefferson Davis Parish grading and graveling Roanoke Road Dists 1 and 3, Ward 2, to J. P. Herbert, Beaux Bridge, $43,000; gravel for Dist. 1, to Natl. Sand & Gravel Co., New Orleans, and in Roanoke Dist., to Holloway Gravel Co., Lecompte. Noted Nov. 11.

La., Winnfield—Winn Parish Police Jury, grading and limestone macadam surfacing 13.5 mi. road from Winnfield to Tullos via Castor Bridge, to H. E. Machen, Winnfield. Noted Oct. 14.

O., Akron—W. F. Peters, dir. Pub. Serv., grading, curbing, walks and vitr. brick paving 3,500 sq.ft. Dayton St., to Columbus Asphalt Paving Co., 304 Buckeye Bldg., $16,925, engrs. est. $20,200; and 1,655 sq. yd. Martin Ave., to Hollinger & Davidson, 435 South Bway., $10,545, engrs. est. $11,500.

O., Cincinnati—Director Pub. Serv., curbing, sidewalks and granite block repaving 5,200 sq.yd. Vine St., to A. J. Henkel, 105 Bell Blk., $36,507. Engrs. est. $39,639. Noted Feb. 17.

Ind., LaPorte—Comrs. LaPorte Co., concrete paving Martin Siegel Rd., to Cook Bros., LaPorte, $56,525. Engrs. est. $57,929. Noted Feb. 3.

Indiana—J. D. Williams, dir. State Hy. Comn., Indianapolis, grading 7.831 mi. F. A. 77, Sect. A, State Road 30, Laporte and Starke Counties, to Harshman & Jarrell Co., Frankfort, $47,272. Noted Jan. 6.

Ind., Greencastle—Comrs. Putman Co., concrete paving A. G. Brown Rd., to W. J. Nees & Co., Greencastle, $45,000, engrs. est. $47,650; also Albert A. Daggy and Frank Downes Rds., to C. W. Bridges, Greencastle, $70,000, engrs. est. $80,186. Noted Jan. 20.

Mich., Monroe—Monroe Co., 16 ft. concrete paving 6.017 mi. Road 40 (Temperance), to Thompson Paving & Constr. Co., Toledo, O., $154,411.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, paving Route 49, Sect. 108, Jasper Co., to V. O. Conner, Newton $23,803, Route 127, Sect. 113, Clinton Co., to Casey Constr. Co., Casey $91,914, Route 96, Sect. 127, Adams Co., and grading Route 75, Sect. 104-A, Peoria Co., to Cameron, Joyce & Co., Keokuk, Ia., $90,180 and $14,249 respectively; also grading Route 96, Sect. 126-A, Adams Co., to Dees Bros., Oblong, $40,757. Grand total $270,903. Noted Jan. 27.

Ill., Chicago — City, Sect. A of North Robey St. Impvt. to Kelter-Elliott Co., 3121 South California Ave., $396,864.

Wisconsin—State Hy. Comn., c/o T. W. Reilly, div. engr., Lancaster, **(F. A. P. means Federal Aid Project)**, crushed rock surfacing 5,866 cu.yd. F. A. P. 382-B, and S. P. 9121-9199. Lafayette Co., to McLaughlin & Lange, Minneapolis, Minn., $71,564; crushed graveling 19,217 cu.yd. S. P. 9324, Crawford Co., to Everson & Dodge, Madison, $38,191, grading and bridging same road, and 1.9 mi. Argyle-Five Points Rd., Lafayette Co., to J. Udelhofen, Potosi, $11,936 and $13,688 respectively; also concrete and steel bridge on latter road, to W. E. Gifford, Washington Bldg., Madison, $11,415. Grand total $146,794. Noted Feb. 3.

Ia., Anamosa—Jones Co., to G. H. Lowe, Slayton, Minn., improving Federal Aid Project 163-C and county road system, 64,335 cu.yd. earth excav. at $0.26 per cu.yd., 200 cu.yd. loose rock $0.75, 200 cu.yd. solid rock $2, 48,650 sta.yd. overhaul $0.02, and 500 ft. culvert labor, $0.30-$0.40.

Ia., Burlington—Des Moines Co., to Central Eng. Co., 809 Putnam Bldg., Davenport, improving Federal Aid Project 301-B, 119,115 cu.yd. excav. at $0.375 and $0.60 per cu.yd., 138,054 sq.yd. concrete paving at $2.35, 2,100 ft. culvert labor $0.40 and $0.50 3,540 ft. 6 and 8 in. tile drain $0.20 and $0.30, two tile intakes $25 each, etc. Noted Feb. 3.

Ia., Ft. Madison—Lee Co., grading 10.92 mi. Coleman Rd., Lee and Henry Counties, to Swanson Constr. Co., Keokuk, $28,649. Noted Jan. 27.

Ia., Newton — Jasper Co., to Wright Constr. Co., 211 Flynn Bldg., improving Federal Aid Project 64-A, U. S. Highway 32, 20,800 cu.yd. excav. at $0.60 per cu.yd., 57,852 sq.yd. concrete paving $2.16, 14 flume basins $60 each, 79 flume drains $2 each, and 6 paving intakes $120 each, total $139,148. Noted Feb. 10.

Kan., Council Grove—Morris Co., concrete surfacing 1.179 mi. Federal Aid Project 257-B and C, to Geiger & Rutherford, Leavenworth, $33,924.

Kan., Great Bend—For 3-in. vertical vibre brick paving 33,622 sq.yd. various streets, to Cook & Rawson, Ottawa, at $1.82 per sq.yd. Noted Feb. 3.

Kan., Lincoln—Lincoln Co., grading, etc. 3.872 mi. Federal Aid Project 362-A, 30 ft., also one double 10 x 6 ft. and one double 10 x 10 ft. bridges on same road, to Campbell Bros., 608 Manufactures Exch. Bldg., Kansas City, Mo., $26,221; also one 40 ft. bridge on same road, to E. King, Heston, Kan., $5,513.

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Streets and Roads (Continued)

Mo., Farmington—City Clerk, grading, curbing, vibrolithic concrete paving, etc., 20 blocks various streets, to Hannibal Contg. Co., Hannibal, $65,504. Noted Feb. 3.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, to Perkinson Bros. Constr. Co., 3237 Carter Ave., brick paving, etc., 4,315 sq.yd. Kraft St. $30,918, and to Alfred Lewald, Inc., 6025 West Cabanne Ave., 1,680 sq.yd. Wilson Ave. $11,838; to M. L. Flinn Paving Co., 728 South Theresa Ave., asphaltic concrete paving, etc., 2,340 sq.yd. Amelia St. $15,549; and to Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., 295 sq.yd. Farlin Ave. $2,783, 1,835 sq.yd. Bates St. $12,270; to Webb-Boone Paving Co., 5103 Fyler Ave., asphalt paving, etc., 2,605 sq.yd. Dolman St. $11,883, and 2,345 sq.yd. 9th St. $12,427; to Granite Bituminous Paving Co., Ry. Exch. Bldg., warrenite bitulithic paving, etc., 3,885 sq.yd. Fillmore St. $26,179, 7,165 sq.yd. Louisiana St., $49,610, and 7,850 sq.yd. Pennsylvania Ave. $57,424; also to C. A. Moreno Constr. Co., Syndicate Trust Bldg., concrete paving, etc., 2,050 sq.yd. 9th St., $9,665. Grand total $240,546. Noted Jan. 20.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, **(C.B. means City Block)**, to Alfred Lewald, Inc., 6025 West Cabanna Ave., grading and concrete paving alleys in C.B. 1,817 $1,403, East and West Alley C.B. 1,817 $1,921, C.B. 2,593 $4,491, C.B. 2,781 W. $2,216. C.B. 3,391 $1,445, C.B. 3,600 $1,781, C.B. 3,601 $1,753, C.B. 5,356 $2,322, C.B. 5,655 $2,808, and C.B. 5,866 $3,654; to Eyermann Constr. Co., 1216 South Grand Blvd., alley in C.B. 1,571 $2,488, and C.B. 2,634 $4,536; to Perkinson Bros. Constr. Co., 3,237 Carter Ave., alleys in C.B. 2,679 $3,628, C.B. 4,253 $1,396, and C.B. 5,321 $3,019; also Skrainka Contr. Co., Security Bldg., alleys in C.B. 5,158 $4,196, and C.B. 5,197 $3,627. Grand total $45,384. Noted Jan. 20.

Tex., Abilene—Warrenite bitulithic paving 5 blocks Orange St. from 7th to 12th Sts., to West Texas Constr. Co., Abilene, at $2.77 per sq.yd., total $32,000. Noted Feb. 17.

Tex., Ft. Worth — Paving Cantey St., Clover Lane, 8th and Camp Bowie Aves., to Gen. Constr. Co., Cotton Exch. Bldg., engrs. est. $67,735; also Dallas Pike, Oakland-Meadowbrook Dr.-Ayers Ave., Mt. Vernon, Ayers, and Oakland Aves., etc., to Fuller Constr. Co., Fidelity Union Bldg., Dallas. $105,554.

Okla., Crescent—A. B. Powell, city clk., grading, curbing and sheet asphalt paving 8,940 sq.yd. Main St., to Ward Beekman & Brooks, 1801 East 9th St., Oklahoma City. $34,078. Engrs. est. $37,378. Noted Nov. 25.

Okla., Guthrie — Logan Co., bituminous concrete paving 5.9601 mi. roads, to Ward-Beekman & Brooks, 1801 East 9th St., Oklahoma City, $167,428.

Okla., Wewoka—Grading, curbing and concrete paving 31,500 sq.yd. streets in Dist. 8, to Hansen-Pearce Constr. Co., Edmond, $122,317. Engrs. est. $125,831. Noted Feb. 10.

New Mexico — State Hy. Comn., Santa Fe, grading and one course surfacing, etc., Nara Visa and Clinton Highway, Federal Aid Project 160-A, Quay Co., to W. T. McClure, Tucumcari, $60,635. Noted Dec. 2.

Washington—State Hy. Comn., Olympia, clearing, grading, etc., 0.21 mi. State Rd. 12, Chinook River Dike, Pacific Co., to Brookfield Quarry & Towage Co., 32nd St. and Waterfront, Astoria, $31,770; and 7.15 mi. Toppenish Ridge-Logy Creek Rd., State Rd. 8, Yakima Co., to J. Hampshire, Lundberg Bldg., Grants Pass, Ore., $25,565. Noted Feb. 3.

Wash., Seattle—Bd. Pub. Wks., paving, etc. North 63rd St. et al., to R. G. Stevenson, 2137 Northlake Ave., $53,598. Noted Feb. 17.

Calif., Colton — Grading, asphalt oil on concrete paving, etc. G St., to E. L. Fleming, 144 South Brand St., Glendale, $33,865. Noted Feb. 3.

Calif., Los Angeles—Curbing, guttering and asphalt and concrete paving, etc. Hooper Ave. between Washington and 38th Sts., to Warren Constr. Co., 2,221 East 25th St., approximately $65,499. Noted Feb. 24.

Calif., Los Angeles—Grading, asphalt and concrete paving, etc., Verdun Ave. between Adams and Jefferson Sts., to Curtis Paving Co., 2440 East 26th St., $270,825. Noted Feb. 17.

Calif., Los Angeles—Improving Redondo Blvd., to G. H. Oswald, 366 East 58th St., $53,891; also Verdun Ave., to G. R. Curtis Paving Co., 2440 East 26th St., $270,822. Noted Feb. 24.

Calif., San Diego — A. H. Wright, city clk., grading, curbing and paving, etc. 653,638 sq.ft. Dolphin Pl., etc., to L. B. Butterfield, San Pedro, $280,313. Noted Feb. 17.

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Calif., San Gabriel—City Clerk, to Hall-Johnson Co., 905 Westminister St., Alhambra, improving Montecito Dr., etc., 20,391 sq.ft. walks at $0.145 per sq.ft. and 111,243 sq.ft. 3 in. asphaltic concrete paving $0.109, etc. Noted Feb. 10.

Calif., Ventura—Supervs. Ventura Co., will grade and pave with 5 in. macadam, etc., 109,900 sq.ft. Reeves Rd., etc. in Ojai Dist., by force account. C. Petit, co. surv. Noted Feb. 3.

Cuba—Special Board of Award of Cuban Government, improving 750 mi. Central Highway, to Warren Bros., 9 Cambridge St., Boston, Mass., approximately $75,000,000. Noted Jan. 13.

Buildings—Commercial

Proposed Work

Me., Augusta — HOME — Boston Daughters of Maine, D. F. Knight, 11 Tanager St., Arlington, having preliminary sketches made by C. R. Greco, 11 Beacon St., Boston, Mass., 2 or 3 story home for aged. $150,000 or more.

Mass., Boston — HOTEL — Boston & Maine R.R., F. C. Shepherd, ch. engr., plans hotel, Causeway St. To exceed $150,000. H. Loring, chn. Executive Bd.

Mass., Boston—STORE and OFFICE—Holland System, R. E. Dept., Haymarket Sq., having revised plans prepared by Insurance Building Trust, 31 Main St., Cambridge, altering 5 story and basement, brick and stone, plain foundation, 51-57 Hanover St. $150,000. Former bids rejected. J. J. Harty, 35 Huntington Ave., engr. Noted Feb. 3.

Mass., Boston—RAILROAD STATION—Boston & Maine R.R. Co., F. C. Shepherd, asst. ch. engr., North Station, plans altering railroad station, Causeway St. To exceed $150,000. Architect not selected.

Mass., Cambridge (Boston P. O.) — APARTMENT—Harvard Housing Trust, 9 Park St., Boston, having sketches made by Kilham, Hopkins & Greeley, 9 Park St., Boston, 3 story and basement, brick and stone, plain foundation, Shaler Lane. $150,000.

Mass., Cambridge (Boston P. O.) — CLUBHOUSE—Owner, c/o Miller & Levi, 46 Cornhill, Boston, archt., having sketches made 2 or 3 story and basement, brick, here. $150,000 or more.

Mass., Cambridge (Boston P. O.)—HOSPITAL—City, Cambridge Hospital, 1493 Cambridge St., having new sketches made by E. T. P. Graham, 171 Newbury St., Boston, hospital addition, incl. childrens hospital, nurses home and private ward. $750,000. Noted Nov. 25.

Mass., Cambridge (Boston P. O.) — THEATRE — Owner c/o G. N. Jacobs, archt., 9 Bosworth Pl., Boston, having plans prepared brick and steel, Massachusetts Ave., here. $150,000 or more.

Mass., Dorchester (sta. Boston)—STORE and OFFICE—H. A. Kerner, Capitol Textile Co., 749 Dudley St., having revised plans prepared by F. A. Norcross, 46 Cornhill, Boston, 3 story and basement, 65 x 100 ft., brick and stone, plain foundation, 761 Dudley St. $150,000. Former bids rejected. Noted Feb. 24.

Mass., East Boston (sta. Boston) — COURT HOUSE — City, Pub. Buildings Dept., Boston, having tentative sketches made by McLaughlin & Burr, 88 Tremont St., Boston, courthouse, here. $250,000.

Mass., Quincy (Ind. br. Boston) — MASONIC — Atlantic Masonic Building Assn., R. A. Dennison, pres., Old Colony St., plans masonic building, East Squantum and Hunt Sts. $150,000 or more. Engineer and architect not selected.

Mass., Roxbury (br. Boston)—MUNICIPALITY—City, Dept. Pub. Buildings, Boston, J. P. Englert, comr., plans new municipal building, here. $500,000. Engineer and architect not selected.

Mass., Waltham (Ind. br. Boston)—STORE and OFFICE—Belderman & Beckerman, 152 School St., Boston, having plans prepared by S. E. Moffie, 51 Cornhill, Boston, brick, Moody and Cushing Sts., here. $150,000 or more.

Conn., Danbury—APARTMENT—North Shore Properties, 114 Amity St., Flushing, N. Y., soon takes bids brick, Stone St. $750,000. A. J. Thomas, 2 West 46th St., New York City, archt.

Conn., Middletown—THEATRE—Middlesex Theatre, C. Arrigoni and O. Pelliccia, 181 Main St., having plans prepared by T. W. Lamb, 644 8th Ave., New York City, rein.-con., brick and steel, Main St. $260,000. Noted Feb. 17.

Conn., Middletown—Y. M. C. A., R. B. Brainard, pres., receiving competitive sketches (invitation), for Y. M. C. A. building. $300,000. Noted June 24.

Conn., New Haven—BUSINESS—L. M. Sagal, Hotel Taft, had tentative plans prepared 12-15 story, brick and steel, Chapel and Church Sts. $1,250,000.

N. Y., New York—APARTMNT—Owner, c/o Schwartz & Gross, archts., 347 5th Ave., having plans prepared 6 story, brick, steel and stone, plain foundation, Bleecker St. Archts. est. $250,000.

N. Y., New York—APARTMENT—Mt. Hope Holding Corp., c/o Paul Lubroth, archt., 283 East Kingsbridge Rd., having plans prepared 5 story, brick, steel and stone, plain foundation, Anthony Ave. and Prospect Pl. $200,000.

N. Y., New York—OFFICE—New York Central R.R. Co., 446 Lexington Ave., soon takes bids 35 story, 85 x 170 ft., brick, steel and stone, plain foundation, Park Ave., 45th and 46th Sts. $16,000,000. Warren & Wetmore, 10 East 47th St., archts. H. G. Balcom, 10 East 47th St., engr. Noted Mar. 4.

N. Y., New York—SERVICE—Stewart Automobile School, 225 West 57th St., having plans prepared by J. M. Felson, 250 West 57th St., rein.-con., brick and steel, plain foundation, 253-257 West 54th St. $200,000.

N. Y., New York—WAREHOUSE—Day & Meyer, Murray & Goring, Inc., 406 East 61st St., soon takes bids rein.-con., brick and steel, plain foundation, 407 East 61st St. $300,000. Moores & Dunford, 110 East 42nd St., engrs. and archts.

N. Y., Rochester—APARTMENT—W. S. Lee, archt., Powers Bldg., soon takes bids 4 story and basement, 70 x 118 ft., brick and tile, plain foundation, Park Ave. and Colby St., for J. Eisenstate, 64 Hand St.

N. Y., Rochester—STORE and APARTMENT—M. Rosenberg Realty Co., 3 Pershing Dr., having plans prepared by A. G. Cromwell, 264 Plymouth Ave., 3 story and basement, 20 x 82 ft., brick and steel, plain foundation, 475-485 ft. East Main St. $200,000.

N. J., Camden—DEPARTMENT STORE—Sears Roebuck & Co., Arthington and Homan Sts., Chicago, Ill., having plans prepared by G. Nimmons & Co., 122 South Michigan Ave., Chicago, Ill., 2 story, rein.-con. and brick, here. $500,000. Noted Jan. 20.

N. J., Camden—STORE—G. Berringer, Inc., 501 Federal St., having plans prepared by J. C. Jefferies, 312 Market St., 4 story and basement, 40 x 145 ft., rein.-con., brick and steel, plain foundation, 5th and Federal Sts. $150,000.

N. J., Haddonfield — APARTMENT — J. Harley, c/o Lackey & Hettie, archts., 5 Hudson River Ave., Camden, having plans prepared 3 or 6 story, 30 x 100 ft., brick and steel, plain foundation, here.

Pa., Ardmore—APARTMENT—Folsom, Stanton & Graham, archts., 10 South 18th St., Phila., soon lets contract 3 story and basement, 27 x 156 ft., rein.-con., brick and steel, plain foundation, Athens St. and Rittenhouse Pl., for H. J. Rittenhouse, Ardmore.

Pa., Bristol—MUNICIPAL—Boro plans two 2 story, 45 x 92 ft., and 60 x 80 ft. red brick and limestone, colonial type municipal buildings. $200,000.

Pa., Newtown Square — HOSPITAL — Pennsylvania Hospital for Mental & Nervous Diseases, 49th and Market Sts., Phila., having plans prepared by A. H. Brockie, 245 South 15th St., Phila., hospital, West Chester Pike and Bryn Mawr Rd., here.

Pa., Norwood—THEATRE and STORE—Hoffman-Henon, archts., Finance Bldg., Phila., soon lets contract 1 and 2 story, 83 x 118 ft., rein.-con., brick and steel, here, for Marcus A. Benn, 65th St. and Woodland Ave., Phila. $200,000. Noted Sept. 2.

Pa., Phila.—BANK—Davis, Dunlap & Barney, archts., 1805 Walnut St., soon lets contract 1 story and basement, 66 x 80 ft., rein.-con., stone and steel, plain foundation, 1608-14 East Torresdale Ave., for Fairhill Trust Co., 5th and Allegheny Sts. $165,000.

Pa., Phila.—HOSPITAL—Pennsylvania Hospital for Mental & Nervous Diseases, 49th and Market Sts., having plans prepared by A. H. Brockie, 245 South 15th St., hospital building.

Pa., Phila.—RECREATION CENTER—Stockhouse & Donohue, archts., 266 South 15th St., soon lets contract 2 story and basement, 49 x 180 ft. recreation center, incl. 50 x 150 ft. swimming pool, etc., 4623 Lancaster Ave., for Shanahan Catholic Club, 4623 Lancaster Ave.

Pa., Phila.—WAREHOUSE and SERVICE—P. S. Tyre, archt., 114 South 15th St., soon lets contract 4 story and basement, 100 x 170 ft., rein.-con., brick and

Buildings—Commercial (Continued)

steel, plain foundation, 33rd and Woodland Sts., for J. Greenburg, Morris Bldg. $300,000. Firestone Tire & Rubber Co., 2401 Spruce Sts., lessee.

Pa., Pittsburgh — LODGE — Knights of Pythias, Wylie Ave., having plans prepared by L. A. S. Ballinger, 525-5th Ave., 3 story and basement, 60 x 163 ft., concrete, brick, steel and terra cotta, Center Ave. $220,000.

Pa., Swissvale—OFFICE—Union Switch & Signal Co., having plans prepared by Janssen & Cocken, Century Bldg., Pittsburgh, 5 story and basement, 156 x 219 ft., brick, stone, steel and rein.-con., office building. $350,000.

Pa., Upper Darby—BANK—Media Title & Trust Co., c/o F. Rhoads, having plans prepared by Heacock & Hokanson, 1211 Chestnut St., Phila., 3 story (ultimately 6 story) and basement, 80 x 97 ft., rein.-con., steel and stone, plain foundation, West Chester Pike and Coplay Rd., here.

Ky., Louisville — CAFETERIA and OFFICE—C. Merriman, c/o Central Furniture Co., 226 West Market St., plans 5 or 6 story, 40 x 2,008 ft. cafeteria and office building, 646-48 4th Ave. $600,000. Engineer and architect not announced.

Ky., Louisville—BANK and OFFICE—Liberty Insurance Bank, 2nd and Market Sts., having plans prepared by Joseph & Joseph, Francis Bldg., 10 story, 40 x 200 ft., irregular shaped, 4th Ave. $800,000.

Ky., Louisville—THEATRE—L. Jones & H. Chambers, 431 West Jefferson St., plans 120 x 175 ft., 3,500 seating capacity, 4th Ave. $1,500,000. Engineer and architect not selected. Loews, Inc., 1540 Bway., New York City, lessee. Noted Feb. 24.

Ga., Macon—APARTMENT—D. Lewenstein, 632 Boulevard Ave., Atlanta, having plans prepared by R. S. Mundy, Norris Bldg., Atlanta, 3 story and basement apartment, Vineville Ave., here. $150,000.

O., Athens — MEMORIAL THEATRE — University Alumni Assn. having plans prepared by Howell & Thomas, 3868 Carnegie Ave., Cleveland, 1 story, 150 x 175 ft., Indiana limestone memorial theatre. $300,000.

O., Cincinnati—APARTMENT—Apseloff Bros., 614 Race St., plan 3 story and basement, brick and rein.-con., plain foundation, Main St. $150,000. Private plans.

O., Cincinnati—WAREHOUSE—Cincinnati Wholesale Grocery Co., 9th St. and Bway., having plans prepared by Rendigs, Panzer & Martin, Southern Ohio Bank, 4 story and basement, brick and rein.-con., plain foundation, Pearl St. $150,000.

O., Cleveland—APARTMENT—Company, c/o M. Harris, c/o A. W. Harris, archt., Guarantee Title Bldg., having plans prepared 3 story and basement, brick, steel and concrete, South Morland Blvd. and Drexmore Rd. $300,000.

O., Cleveland — APARTMENT — A. D. Hertz, 9905 Pierpont Ave., had plans prepared by M. Weis, 1836 Euclid Ave., 3 story and basement, 46 x 116 ft., brick, 1793 East 89th St. $150,000.

O., Cleveland—BANK, STORE and OFFICE—Southwestern Savings & Loan Co., M. M. Childs, secy., 9901 Lorain Ave., soon lets contract 2 story and basement, 46 x 140 ft., brick and steel, West 98th St. and Lorain Ave. $150,000. R. F. Medicus Eng. Co., Home Savings & Loan Bldg., Youngstown, archts.

O., Cleveland—HOSPITAL and NURSES DORMITORY — University Hospitals of Cleveland, F. A. Scott, pres. Warner & Swasey Co., 5701 Carnegie Ave., having plans prepared by Coolidge, Shepley, Bulfinch & Abbott, archts. and engrs., 1 Court St., Boston, Mass., brick, steel and concrete hospital $3,300,000, and nurses dormitory $1,600,000, Euclid Ave. and Adelbert Rd.

O., Marietta — HOSPITAL — Marietta Memorial Hospital, 135 Putman St., having plans prepared by S. Hannaford & Sons, Dixie Terminal Bldg., Cincinnati, 3 story and basement, brick and rein.-con., plain foundation, Main St. $250,000.

O., Toledo — EXCHANGE — Ohio Bell Telephone Co., E. F. Morrill, constr. engr., 4300 Euclid Ave., having plans prepared by F. A. Ward, 4300 Euclid Ave., 2 story and basement, 100 x 200 ft. telephone exchange, here. $200,000. G. A. Kozitsky, 4300 Euclid Ave., Cleveland, engr.

O., Wilmington — HOTEL — Wilmington Community Hotel Corp., plans 3 or 4 story and basement, West Main and Mulberry Sts. $150,000.

Ind., Anderson —APARTMENT— Baynham Co., Chamber of Commerce, Indianapolis, having preliminary plans prepared rein.-con., brick and steel, here $200,000. Private plans.

Ind., Anderson—APARTMENT—Beverly Terrace had plans prepared by E. R. Watkins, 441 Union Bldg., and takes bids about Mar. 5, 3 story and basement, 95 x 135 ft., rein.-con., brick and steel, 11th and Central Sts. $200,000.

Ind., Anderson — APARTMENT — L. T. Stebbing having plans prepared by E. F. Miller, Anderson, and takes bids about Mar. 19, 3 story and basement, 50 x 120 ft., rein.-con., brick and steel, 12th and Lincoln Sts. $150,000. Noted Feb. 24.

Ind., Gary—OFFICE and BANK—Ivar Viehe-Naess & Co., 410 North Michigan Ave., Chicago, Ill., takes bids about Mar. 15, 10 story and basement, 125 x 125 ft., rein.-con., brick, steel and stone, Bway. and 5th Sts., for Gary State Bank. $600,000. Noted Feb. 17.

Ind., Huntington—BANK and OFFICE—Citizens State Bank, soon lets contract 2 story and basement, 40 x 111 ft., rein.-on., brick and steel bank and office building. $160,000. R. W. Stevens, Citizens State Bank Bldg., archt.

Ind., Indianapolis—LODGE—I. O. O. F. Lodge 44, J. W. Price, secy., 137 West North St., having preliminary plans prepared 2 story, 80 x 180 ft. lodge, 1300 Blk. on Delaware St. $150,000. Engineer and architect not selected.

Ill., Chicago—APARTMENT HOTEL—E. F. Behrens, archt., 605 North Michigan Ave., prepared plans and takes bids after Mar. 5, 8 story and basement, 66 x 85 ft., rein.-con., brick and stone, plain foundation, on North Side, for Syndicate, c/o architect. $250,000.

Ill., Chicago—APARTMENT and STORE—Levy & Klein, archts., 111 West Washington St., soon take bids 12 story and basement, 100 x 150 ft., rein.-con., brick, stone and terra cotta, Kenmore and Bryn Mawr Aves., for Syndicate, c/o architects. $1,100,000. Noted Nov. 25.

Ill., Chicago—APARTMENT HOTEL—Klaber & Grunsfield, archts., 435 North Michigan Ave., preparing plans and soon takes bids 21 story and basement, 74 x 104 ft., rein.-con., brick, steel and stone, 101-104 East Delaware Pl. for Delaware Building Corp., c/o architects. $400,000.

Ill., Chicago — CLUB — Syndicate, c/o Hooper & Janusch, archts., 879 North State St., having sketches made 15 story, 187 ft. club, Jarvis Ave. and Lake Michigan. $2,000,000.

Ill., Chicago — CLUB and HOTEL — Olympia Beach Club, 310 South Michigan Ave., having sketches made by Huszagh & Hill, 6 North Michigan Ave., 8 or 10 story, Chase Ave. on Lake Michigan. $1,000,000.

Ill., Chicago—Y. M. C. A., 19 South La Salle St., having plans prepared by Perkins, Chatten & Hammond, 160 North La Salle St., 4 story and basement, brick and stone, North Mansfield Ave. $500,000.

Ill., East St. Louis—East St. Louis Y.M.C.A., C. Chandler, secy., 317 Missouri Ave., soon takes bids 3 story and basement, 36 x 125 ft., with two 30 x 50 ft. wings, rein.-con., brick, stone and terra cotta, 9th and Ohio Ave. $150,000. A. B. Frankel, 1st Natl. Bldg., archt. Noted Dec. 30.

Ill., Peoria—CLUB—Creve Coeur Club, 210 North Jefferson St., takes bids about Apr. 1, 3 story and basement, 72 x 100 ft., rein.-con., brick and stone, 210 North Jefferson St. $150,000. B. L. Hulsebus, Jefferson Bldg., archt.

Ill., Streator — PASSENGER and FREIGHT STATION—Atchison, Topeka & Santa Fe Ry. Co., Topeka, H. W. Wagner, ch. engr. (Eastern lines), having preliminary plans prepared 1 story and basement, 60 x 160 ft., and 75 x 125 ft., rein.-con., brick and stone, here. $300,000.

Ia., Cedar Rapids — TEMPLE — W. J. Brown, archt., Bever Bldg., takes bids about Apr. 1, 2 story, 130 x 220 ft., rein.-con., brick, steel and stone, plain foundation, for Iowa Consistory No. 2. $250,000. H. Hornbostel of Palmer & Hornbostel, Hayes Bldg., Pittsburgh, Pa., consult. archt. Noted Feb. 3.

Ia., Cedar Rapids—THEATRE, STORE and OFFICE — Cedar Rapids Orpheum Bldg., c/o A. Frank, Frank Amusement Co., Inc., Waterloo, takes bids about Mar. 15, 3 story and basement, 130 x 180 ft., rein.-con., brick and terra cotta, 3rd Ave. and 3rd St., here. $1,200,000. W. P. Whitney, 122 South Michigan Ave., Chicago, Ill., archt.

Minn., Minneapolis—OFFICE—Standard Oil Co. of Indiana, 1937 4th St. S. E., having plans prepared 3 story and basement, 60 x 115 ft., rein.-con. and brick, 13th St. and Harmon Pl. $150,000. Engineer and architect not announced.

Kan., St. John—COURT HOUSE—Strafford Co. having preliminary plans prepared by Mann & Co., 722 Rorabaugh-Wiley Bldg., Hutchinson, 3 story, rein.-con., brick and stone court house. $150,000.

Kan., Topeka—FIRE STATION—E. M. Covell, city clk., and T. W. Williamson & Co., archts., 312 Central Bank Bldg., soon lets contract 2 story and basement, 70 x 140 ft., 725 Van Buren St., for City. $200,000.

Mo., Kansas City — WAREHOUSE and GARAGE—Southwestern Bell Telephone Co., Boatmans Bank Bldg., St. Louis, had plans prepared by I. R. Timlin, c/o owner, 1 and 2 story and basement, 120 x 180 ft. warehouse, $225,000, and 1 story, 108 x 144 ft. garage, $60,000, both rein.-con., brick and steel, 35th and Roanoke Sts. Noted Dec. 16.

Mo., St. Louis — MARKET — Company, c/o J. R. Baldwin, 825 North 4th St., having preliminary plans prepared rein.-con. and brick commission market in Mill Creek Valley, probably on Market St. in vicinity Compton Ave., $2,500,000-$3,000,000; also relocating railroad tracks, $2,000,000. Private plans.

Ark., Texarkana — DEPOT — Missouri, Pacific R.R. Co., Railway Exch. Bldg., St. Louis, Mo., E. A. Hadley, ch. engr., Texas & Pacific R.R. Co., Dallas, Tex., E. F. Mitchell, ch. engr., St. Louis Southwestern R.R. Co., Tyler, Tex., W. S. Hanley, ch. engr., and Kansas City Southern R.R. Co., Kansas City, Mo., A. N. Reese, ch. engr., soon take bids 2 story, 50 x 282 ft. with 1 story, 40 x 286 ft. annex, rein.-con., brick, stone and steel, here. $1,700,000. E. M. Tucker, c/o Missouri Pacific R. R. Co., Railway Exch. Bldg., St. Louis, Mo., archt. Noted Aug. 19.

Tex., Beaumont—HOTEL—Owner, c/o J. Finger, archt., 422 Keystone Bldg., Houston, plans 14 story and basement, 60 x 120 ft., rein.-con. and brick, plain foundation, Pearl St. near Crockett St. $500,000.

Tex., San Antonio—HOTEL—Blue Bonnet Hotels & A. H. Shafer Estates, 418 North St. Marys St., take bids about Mar. 15, 12 story and basement, 113 x 165 ft., rein.-con., brick and steel, Pecan and St. Marys Sts. $50,000. P. G. Silber & Co., 331 Bedell Bldg., archts. Noted Feb. 17.

Ore., Portland—OFFICE—Amer. Investment Co., Gasco Bldg., having plans prepared by L. L. Dougan, Kraemer Bldg., 10 story, 100 x 100 ft., rein.-con., 11th and Taylor Sts. $800,000.

Calif., Eagle Rock—HOME—California Home of Aged Women takes bids about Mar. 19, two 3 story, 38 x 112 ft., and 34 x 112 ft., rein.-con., 2235 Norwalk St. $200,000. A. G. Bailey, 410 Hillstreet Bldg., Los Angeles, archt. Noted Feb. 24.

Calif., Los Angeles—APARTMENT—A. M. Deist, North Genesee St., takes bids about Mar. 21, 6 story, 60 x 112 ft., rein.-con., 2350 South Western Ave. $200,000. A. R. Sedgley & W. R. Erskin, 1103 Kerckhoff Bldg., archts. Noted Jan. 13.

Calif., Los Angeles — CLUB — Wilshire Athletic Club, c/o Walker & Eisen, archts., Western Pacific Bldg., plans 5 or more story ,club, 3rd St. and Western Ave. To exceed $150,000.

Calif., Los Angeles—LOFT—F. Horowitz, Stock Exch. Bldg., having plans prepared by A. Whitzman, 1401 Hibernian Bldg., 12 story and basement, 78 x 111 ft., rein.-con., 7th and San Julian Sts.

Calif., Los Angeles — STORE and APARTMENT—W. D. Lee, archt., Textile Centre Bldg., preparing plans 6 story and basement, rein.-con., incl. separate garage building, Oakwood and Vermont Aves. $200,000. Owner's name withheld.

Calif., Los Angeles—STORE and LOFT—Platt Music Co., 622 South Bway., having plans prepared by Walker & Eisen, Western Pacific Bldg., 12 story and basement, 60 x 150 ft., steel, Bway. near 8th St. $500,000. Noted Jan. 6.

Calif., Los Angeles — STUDIO — Parker Picture Corp., c/o Cantell & Spencer, archts. 6404½ Sunset Blvd., having plans prepared motion picture studio, incl. 8 stages, dressing room structure, gymnasium, etc., Ventura Blvd. near Fulton St. $450,000 or more. Noted July 8.

Calif., Los Angeles — THEATRE — Orpheum Circuit, 844 South Bway., plans theatre, Hollywood Blvd. To exceed $150,000.

Calif., Los Angeles—THEATRE, STORE and OFFICE—P. N. Snyder, 5625 Whittier Blvd., having plans prepared by Balch Bros., 934½ South Figueroa St., rein.-con., Whittier Blvd. $350,000 or more.

Calif., Oakland — CLUB — Oak Knoll Country Club, c/o W. Knowles, archt., Hearst Bldg., San Francisco, having preliminary plans prepared club, Foothill Blvd. $150,000. Noted June 3.

Calif., Oakland—CLUB—Womens City Club having plans prepared by Miller & Warnecke, 1404 Franklin St., 7 story and basement, brick and steel, Alice St. $300,000.

Calif., Sacramento—HOTEL and STORE—Chan Ho Estate, c/o G. Sellon & Co., archts., California State Life Bldg., had plans prepared 4 story and basement, 80 x 160 ft., brick, 4th and "I" Sts. $200,000.

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Buildings—Commercial (Continued)

Calif., San Diego—THEATRE—Orpheum Circuit, 844 South Bway., Los Angeles, plans theatre. To exceed $150,000.

Calif., San Francisco—APARTMENT—Bway.-Laguna Apartments, Inc., c/o Hyman & Appleton, archts., Foxcroft Bldg., having plans prepared 7 story and basement, brick and concrete, Bway. and Laguna Sts. $200,000.

Calif., San Francisco—HOTEL—D. J. Clancy, 424 Jones St., had plans prepared by H. C. Baumann, 251 Kearny St., 6 story and basement, rein.-con., Ellis St. near Larkin St. $150,000 or more.

Calif., San Pedro — CLUB — Miramont Golf & Country Club, c/o Walker & Eisen, archts., Western Pacific Bldg., Los Angeles, having plans prepared rein.-con. club buildings. To exceed $150,000.

Calif., Venice—HOTEL, APARTMENT—Platt Holding Co., 7228 Sunset Blvd., Los Angeles, having plans prepared by Meyer-Radon Bros., 6362 Hollywood Blvd., Los Angeles, 6 story and basement, 80 x 172 ft., rein.-con., 2nd St. and Venice Blvd. $350,000.

Ont., London—GARAGE—S. Gallagher, 189 King St., having plans prepared by Watt & Blackwell, Bank of Toronto Chambers, and soon takes bids 3 story and basement, 93 x 125 ft., rein.-con., concrete foundation. $100,000-$150,000.

Ont., London — RESTAURANT — Bowles Lunch Ltd., 7 King St. E., having plans prepared by N. A. Armstrong Co., 7 King St. E., 3 story and basement, rein.-con., brick and steel, Dundas St. $150,000.

Ont., St. Catharines — HOSPITAL — St. Catharines General Hospital plans 3 story and basement, rein.-con., brick and steel extension, plain foundation. $170,000. Engineer and architect not selected.

Ont., Toronto — APARTMENT — T. J. Benor, c/o K. Hyslop, archt., 43 Adelaide St. W., having plans prepared 3 or 4 story and basement, rein.-con., brick and steel plain foundation, St. Thomas and Sultan Sts. $175,000.

Ont., Toronto—APARTMENT—W. Williamson, 24 Cedar Ave., having plans prepared by W. H. Mallory, 24 Cedar Ave., 3 story and basement, rein.-con., brick and steel, plain foundation, Queen St. and Woodbine Ave. $150,000.

Ont., Toronto—EXCHANGE—Bell Telephone Co. of Canada, 76 Adelaide St. W., having plans prepared by W. J. Carmichael, Bell Telephone Co., Notre Dame St. W., Montreal, Que., 3 story and basement, rein.-con., brick and steel, plain foundation, Eglinton Ave. $150,000.

Ont., Toronto — HOSPITAL — Toronto General Hospital, 101 College St., having plans prepared by Darling & Pearson, 2 Leader Lane, 2-8 story and basement, rein.-con., brick and steel, plain foundation, incl. private patients pavilion, nurses home addition, radiology and pathological buildings, power house and workshop, etc., University Ave. and College St. $2,500,000. Noted Feb. 17.

Ont., Toronto HOTEL—King Edward Hotel, King St. E., plans 5 story, steel addition. $300,000-$500,000. Engineer and architect not selected.

Ont., Toronto—LOFT—Oxford Clothing Co., 431 King St. W., having plans prepared by B. Brown, 600 Bay St., 8 story and basement, rein.-con., Adelaide St. and Spadina Ave. $300,000.

Ont., Toronto — OFFICE and SHOWROOM—J. G. Kent & Sons, Lumsden Bldg., plans 4 story and basement, 30 x 92 ft., rein.-con., brick and steel, plain foundation, Bay and Charles Sts. $150,000. Private plans.

Ont., Windsor—STORE and OFFICE—Securities Development Ltd., 73 Pitt St. W., having plans prepared by Pennington & Boyde, Bartlett Bldg., 10 story and basement, 50 x 80 ft., rein.-con., brick and steel, plain foundation, Pelissier and London Sts. $250,000.

Bids Desired

N. H., Concord—HOSPITAL—Mar. 22, by J. D. Leland & Co., archts., Statler Bldg., Boston, Mass., 1, 2, and 3 story and basement, brick and stone addition, incl. nurses home, power house, and connecting passageways, for Margaret Pillsbury General Hospital. To exceed $150,000.

Mass., Boston—STORE and OFFICE—A. F. Goodwin, Hamilton, taking bids altering and reconstructing 6 story and basement, brick, plain foundation, 380 Boylston St., here. $150,000. Little & Russell, 20 Newbury St., Boston, archts.

Mass., Brighton (br. Boston)—APARTMENT—See "Contracts Awarded."

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Mass., Danvers — HOSPITAL — Town, Hospital Com. taking bids altering and constructing 3 story and basement, brick and stone addition to Hunt Memorial Hospital, plain foundation. $150,000. Putnam & Cox, 114 State St., Boston, archts.

Mass., Hyannis—HOTEL and STORE—Owner, c/o A. O. Bottomley, archt., 10 Tremont St., Boston, taking bids 4 story and basement, brick, plain foundation, Main St., here. $160,000.

Mass., North Attleboro—TEMPLE—Mar. 9, by Bristol Lodge Masons, J. L. Thompson, chn., brick and stone, South Washington St. $150,000 or more. Hutchins & French, 11 Beacon St., Boston, archts. Noted Jan. 27.

Mass., Roxbury (Boston P. O.)—APARTMENT—See "Contracts Awarded."

Mass., Somerville (br. Boston)—STORE and OFFICE—See "Contracts Awarded."

Mass., Stoneham — BANK — Stoneham Trust Co., E. M. Hamlin, pres., taking bids altering and constructing 1 story and basement, rein.-con., brick and steel addition, plain foundation. $150,000. Hutchins & French, 11 Beacon St., Boston, archts. Noted Feb. 17.

Conn., Bristol—THEATRE—Mar. 8, by Colonial Theatre, D. A. Peters, in charge, superstructure 2 story and basement, brick and steel theatre. To exceed $150,000. Mowll & Rand, 21 School St., Boston, Mass., archts. Noted Jan. 27.

Conn., Hartford — APARTMENT and STORE—See "Contracts Awarded."

Conn., Meriden — TEMPLE — Masonic Temple, c/o W. T. Arnold, archt., 34 Main St., taking bids 1 story and basement, brick and marble, plain foundation, 104 East Main St. $150,000 or more. Noted June 3.

Conn., New Haven—BUSINESS—See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., Preston (mail Oxford)—DORMITORY—Mar. 15, by Building Com. Bd. Supervs. Chenango Co., F. L. Mallory, clk., Ray Bldg., Norwich, 2 story and basement dormitory for Chenango Co. Home, here. J. M. Platt, 524 Cutler Bldg., Rochester, archt.; adv. E. N.-R. Mar. 3.

Pa., Elkins Park (br. Phila.)—GARAGE—See "Contracts Awards."

Pa., Phila.—STORE—Mar. 7, by C. E. Wunder, archt., 1520 Locust St., 8 story and basement, 71 x 146 ft. rein.-con., steel and brick, plain foundation, 17th and Chestnut Sts., for Bonwit Teller & Co., 13th and Chestnut Sts. Noted Jan. 13.

Pa., Phila. — THEATRE — Hoffman-Henon Co., archts., Finance Bldg., taking sub-bids 1 and 2 story and basement, 90 x 120 ft., rein.-con., brick and steel, Burmont and Garrettsford Rds., for Stanley Co. of America, 1916 Race St.

Pa., Pittsburgh — APARTMENT — See "Contracts Awarded."

Md., Baltimore—HOSPITAL—Mar. 15, by Wyatt & Nolting, archts., Keyser Bldg., 5 story and basement, irregular shaped, rein.-con. and brick hospital wing, plain foundation, Bway. and Fairmount Ave., for Church Home & Infirmary, Bway. and Fairmount Ave. $150,000.

Mich., Detroit—Mar. 9, by Malconson & Higginbotham, archts., 1217 Griswold St., 5 story and basement, 126 x 142 ft., rein.-con., brick and steel, plain foundation, Clark and Dix Aves., for Y. M. C. A., A. G. Studer, secy., Y. M. C. A. Bldg. $500,000. Noted Feb. 10.

Ill., Chicago — APARTMENT—Koenigsberg & Weisfeld, archts., 155 North Clark St., taking bids 7 story, 50 x 127 ft., rein.-con., 4536-38 Magnolia Ave., for S. Clifford & Co., 111 West Washington St. $450,000. Noted Jan. 20.

Minn., Duluth—CITY HALL—Mar. 16, by G. P. Phillips, city comr., 5 story and basement, 160 x 176 ft., rein.-con., brick, stone and marble, concrete pile foundation, 1st St. and 4th Ave. W., for City. $750,000. T. J. Shefchik, 313 Glencoe Bldg., engr. and arch. Noted July 15.

Calif., Alameda—WAREHOUSE—Alaska Packers Assn., 111 California St., taking bids 1 story, 250 x 1,000 ft., brick and rein.-con. warehouse.

Calif., Berkeley — APARTMENT — See "Contracts Awarded."

Calif., Los Angeles — STORE, OFFICE and THEATRE—N. W. Alpaugh, archt., 2404 West 7th St., taking bids part 1 and 2 story, rein.-con. and brick, Hollywood Blvd., for Chamberlain & Proctor, 417 Spring Arcade Bldg. $150,000. Noted Feb. 17.

Calif., Pasadena—BANK and OFFICE—Marston, Van Pelt & Maybury, archts., 25 South Euclid Ave., taking bids 6 story and basement, rein.-con., Lake and Colorado Sts., for Pacific Southwest Trust & Savings Bank, 565 South Spring St., Los Angeles. $150,000 or more. Noted July 22.

Calif., San Francisco—APARTMENT—See "Contracts Awarded."

Bids Received

N. Y., New York—COURT HOUSE—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Feb. 25, 4th story addition to magistrates and municipal court house, Washington and Brook Aves., from Riley Building & Constr. Co., 2918 Bway., $132,900. Noted Feb. 17.

Contracts Awarded

N. H., Exeter—COURT HOUSE—Comrs. Rockingham Co., G. A. Carlisle, chn., altering and constructing 2 story and basement, brick and limestone addition, plain foundation, to H. E. Noyes, Claremont. Archts. est. $150,000. Noted Feb. 3.

Mass., Boston—APARTMENT—H. O. Apthrop, 15 State St., 5 story and basement, 50 x 90 ft., brick, steel and stone, plain foundation, 10 Otis Pl., to F. T. Ley, 80 Federal St. Archts. est. $250,000. Noted Feb. 17.

Mass., Boston — COMMERCIAL — R. J. Quinn & Co., Inc., 481 Chelsea St., East Boston, altering 4 story and basement, brick and stone, plain foundation, 158 Kneeland St., to I. H. Bogart & Son, 231 Medford St., Charlestown. Archts. est. to exceed $150,000. Noted Feb. 17.

Mass., Boston—SURGICAL—City, Hospital Dept., 8 story and basement, 45 x 145 ft., brick and stone, plain foundation, East Concord St., to J. Rugo, 80 Boylston St., $588,000. Noted Feb. 24.

Mass., Brighton (br. Boston)—APARTMENT—B. Grossman, 35 Orkney Rd., 3 story and basement, brick and stone, plain foundation, 153-155 Stratmore Rd. $150,000. Work will be done by separate contracts. S. E. Moffie, 51 Cornhill, Boston, archt.

Mass., Roxbury (Boston P. O.)—APARTMENT—Artruss Realty Co., A. Berghein, 18 Park View St., will build 3 story and basement, 125 x 135 ft., brick and stone, plain foundation, Elm Hill Ave. and Hutchins St. $175,000. Work will be done by separate contracts. S. E. Moffie, 51 Cornhill, Boston, archt. Noted Feb. 17.

Mass., Somerville (br. Boston)—STORE and OFFICE—Snider & Druker, 18 Tremont St., Boston, will build 3 story and basement, brick and stone, plain foundation, Elm and Chester Sts. $150,000. Work will be done by separate contracts. Private plans. Noted Feb. 24.

R. I., Providence—STORE and OFFICE—City Hall Hardware Co., 150 Washington St., 6 story and basement, brick and stone, plain foundation, to Balkin Constr. Corp., 75 Westminster St. Archts. est. $150,000 or more. Noted Feb. 10.

R. I., Wakefield — BANK — Wakefield Trust Co., 1 story and basement, rein.-con., brick, steel and stone, plain foundation, to J. F. Griffin & Co., 15 Exchange St., Boston, Mass. Archts. est. $150,000. Noted Feb. 17.

Conn., Hartford — APARTMENT and STORE—P. Corsino, 21 Preston St., will build 3 story, 100 x 125 ft., brick and steel, Charter Oak Ave., by day labor. $175,000. G. Zunner, 182 High St., archt.

Conn., Hartford—APARTMENT—Bartlett & Brainard Co., 252 Asylun St., will build 3 story, 100 x 135 ft., brick and steel, Prospect Ave., by day labor. $160,000. Private plans.

Conn., New Haven—APARTMENT—Link & Links, 42 Church St., 2 story and basement, 165 x 174 ft., brick, steel and stone, Prospect St., to W. E. Greene Co., 195 Church St. $200,000. H. Cannici, 59 Center St., archt.

Conn., New Haven—BUSINESS—M. H. Alderman & Sons, 171 Congress St., will alter and construct 4 story, 40 x 116 ft., brick and steel addition, Congress St. $150,000. Work will be done by separate contracts. J. Weinstein, Metropolitan Bldg.

N. Y., Brooklyn — DEPARTMENT STORE—Ludwig Bauman & Co., 8th Ave. and 35th St., New York City, brick, steel and stone, plain foundation, Livingston and Hoyt Sts., here, to G. Richard Davis & Co., Inc., 10 East 41st St., New York City. Archts. est. approximately $250,000.

N. Y., Far Rockaway—STORE and OFFICE—Meltzer, Silverman & Pearman, c/o G. and E. Blum, archts., 415 Lexington Ave., New York City, brick, steel and stone, plain foundation, White St., here, to Boudin Constr. Co., Inc., 70 East 40th St., New York City. Archts. est. $200,000. Noted Feb. 10.

N. Y., Liberty—PAVILION—Workmen's Circle, Inc., 175 East Bway., New York City, 2 story and basement, 40 x 164 ft.,

Buildings—Commercial (Continued)

brick and steel pavilion, at sanatorium, here, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Archts. est. $150,000.

N. Y., New York — APARTMENT — Anthony Campagna, 200 West 72nd St., will build 14 story, brick, steel and stone, plain foundation, 2 East 70th St. $2,500,000. Work will be done by separate contracts.

N. Y., New York—APARTMENT—A. C. and H. M. Hall Realty Co., 200 West 72nd St., will build brick, steel and stone, plain foundation, 238 West 73rd St., by day labor. $850,000. E. George, 8743 97th St., Richmond Hill, archt.

N. Y., New York—LOFT and STORE—Maxal Realty Co., A. B. Gross, pres., 158 West 27th St., brick, steel and stone, plain foundation, 330 7th Ave., to G. Richard Davis & Co., Inc., 10 East 41st St. Archts. est. $800,000.

N. Y., New York—Y. W. C. A., 347 Madison Ave., 9 story, brick, steel and stone, plain foundation, 208-210 East 77th St., to Dall, Hayden, Treat, Inc., 70 East 45th St. Archts. est. $300,000. Noted Feb. 10.

N. Y., Rochester—STORE and OFFICE—R. R. Fitch, 16 North Goodman St., 3 story, 63 x 110 ft., brick and steel, plain foundation, 366 East Ave., to J. B. Pike, 1 Circle St., $150,000.

N. J., Asbury Park—APARTMENT—Asbury Park Bond & Mortgage Co., 3 story, brick and steel, Sewall Ave., to Kelly Constr. Co., Asbury Park, $175,000.

N. J., Newark — HOME — Workmen's Circle Labor Lyceum, 3 story, 77 x 94 ft., brick and stone, to Fatzler Co., 676 South 16th St., Newark. Noted Jan. 27.

Pa., Carnegie—BANK—Carnegie Natl. Bank, general contract 1 and 2 story and basement, irregular shaped, stone and steel bank, to Baker & Coombs, Morgantown, W. Va. Archts. est. $200,000. Noted Oct. 7.

Pa., Drexell Hill—APARTMENT—MacKenzie & Wiley, archts., Bankers Trust Bldg., Phila., 4 story and basement, 50 x 132 ft., rein.-con., brick and steel, plain foundation, Garrett Rd., here, to Merion Constr. Co., Ardmore, for S. T. Lynch, Drexell Bldg., Phila. Archts. est. $175,000. Noted Jan. 27.

Pa., Elkins Park (br. Phila.)—GARAGE—L. L. Miller, Real Estate Trust Bldg., Phila., will build 1 story and basement, 80 x 200 ft., rein.-con. and brick, plain foundation, here. A. B. Lacey, 1012 Walnut St., Phila., archt. Work will be done by separate contracts.

Pa., Phila.—SALES—P. H. Tyre, archt., 114 South 15th St., 2 story and basement, 111 x 133 ft., rein.-con. and brick, plain foundation, to P. Brosz, 2511 West Huntingdon St., for Preiss Nash Motor Co., Broad and Lycoming Sts. Noted Feb. 3.

Pa., Pittsburgh—APARTMENT—A. S. McSorley, King Edward Apartments, will build 4 story and basement, irregular shaped, concrete, brick and steel apartment, here. $200,000. Work will be done by separate contracts. Hannah & Sterling, 209 9th St., archts.

Pa., Pittsburgh — BANK — Union Trust Co., Union Trust Bldg., general contract 2 story and basement, 50 x 100 ft., steel and stone, 5th Ave., to Mellon Stuart Co., Oliver Bldg. Archts. est. $250,000. Noted Feb. 17.

Pa., Pittsburgh—RESEARCH LABORATORY—Natl. Tube Co., Frick Bldg., general contract 2 story and basement, 58 x 109 ft., brick and hollow tile, Forbes St., to A. & S. Wilson Co., 541-3rd Ave. Archts. est. $150,000. Noted Jan. 20.

Pa., Pittsburgh—WAREHOUSE—Union Electric Co., 933 Liberty Ave., general contract remodeling and constructing 6 story and basement, 45 x 220 ft., rein.-con., brick and steel addition, Duquesne Way, to Henry Shenk Co., Century Bldg. Archts. est. $150,000. Noted Jan. 6.

Pa., Willow Grove — CLUB HOUSE — Tilden, Register & Pepper, archts., 1520 Locust St., Phila., 3 story and basement, 91 x 293 ft., rein.-con., brick and steel, plain foundatino, here, to E. A. Reeves, Abington, for Huntingdon Valley Country Club, Noble (Abington P. O.). Noted Feb. 3.

Del., Wilmington — HOSPITAL — Homoeopathic Hospital, 1501 Van Buren St., 40 x 130 ft. hospital, incl. maternity ward, to W. D. Haddock & Co., 804 Orange St. Archts. est. $150,000. Noted Jan. 27.

O., Youngstown — HOTEL — Ohio Hotel Co., Boardman and Hazel Sts., general contract 5 story, brick and steel top addition, Boardman St., to Mellon Stuart Co., Oliver Bldg., Pittsburgh, Pa. Archts. est. $350,000. Noted Feb. 17.

Ind., Indianapolis — SALESROOM and GARAGE—Stutz Auto Co., L. F. Rogers, mgr., 960 North Meridian St., general contract 2 story, 80 x 200 ft., steel and stone, 20th and Meridian Sts., to T. Sander, 401 Orange St. Archts. est. $150,000.

Ill., Chicago — APARTMENT — G. H. Young, 10 North Clark St., masonry contract, ten 3 story, 26 x 50 ft., brick, 4424-52 South Homan Ave., to Bell Constr. Co., 4335 South Sawyer Ave.; carpentry work, to C. Rosengren, 4910 North Francisco Ave. Archts. est. $150,000.

Ill., Chicago — APARTMENT — W. C. Bannerman & Co., 77 West Washington St., masonry and concrete contract 16 story and basement, 140 x 166 ft., rein.-con. and brick, Wellington Ave. and Sheridan Rd., to H. Janisch, & Co., 1815 Winona St. Archts. est. $3,500,000. Noted Jan. 20.

Ill., Chicago — APARTMENT — H. G. Slavik, 11 South La Salle St., masonry contract 3 story, 100 x 220 ft., brick, 5210-18 Drexel Ave., to Rune & Son, 6744 Ridgeland Ave. Archts. est. $275,000.

Ill., Chicago — APARTMENT — H. Costello, 6753 Stoney Island Ave., masonry and concrete contract 6 story and basement, 75 x 125 ft., rein.-con., to Turnquist Constr. Co., 6958 Jeffrey Ave. Archts. est. $400,000. Noted Feb. 3.

Ill., Chicago — APARTMENT—Johnston Bros., 77 West Washington St., rein.-con. and masonry contract 9 story, 114 x 161 ft., rein.-con., brick and stone, 6927-39 Crandon Ave., to Lind Constr. Co., 6400 South State St.; stone, to A. F. Colgren & Co., 3430 West 38th St. Archts. est. $1,000,000. Noted Jan. 27.

Ill., Glen Ellyn—C. Ganzhorn, 583 Main St., 3 story and basement, rein.-con., brick and stone, Park Blvd., to G. W. Drollinger & Sons, 4753 West Madison Ave., Chicago. Archts. est. $500,000.

Wis., Madison — OFFICE — Beavers Insurance Co., S. A. Oscar, secy., 119 Monona Ave., 7 story, rein.-con., brick and steel, plain foundation, Monona Ave., to J. H. Findorff & Son Co., 601 West Wilson St. Archts. est. $150,000. Noted Jan. 27.

Ia., Cedar Rapids—THEATRE—W. F. Naibert Realty Co., 220 Granby Bldg., 5 story and basement, 85 x 220 ft., rein.-con., brick and stone, plain foundation, to T. Stark & Co., 118 South 11th St., $520,000. Noted Dec. 9.

Neb., Lincoln—THEATRE and OFFICE—C. Stuart, Terminal Bldg., 12 story and basement, granite, stone, and terra cotta, 13th and P Sts., to Olson Constr. Co., 1229 North St. Archts. est. $1,200,000.

Wash., Seattle — APARTMENT — H. Smith, 4529 16th St. N. E., 8 story and basement, 60 x 103 ft., steel and concrete, incl. 30 car garage in basement, East 40th and 15th Sts. N. E., to Walter & Brady, Lloyd Bldg. Archts. est. $300,000.

Calif., Altadena — HOSPITAL — W. J. Geierman, 3400 North Lake St., 4 story, rein.-con. and hollow tile, to D. M. Hussey, 1723 South Arlington St., Los Angeles, approximately $200,000.

Calif., Berkeley—APARTMENT—C. A. Tornell, Jr., 37 Avis Rd., will build 3 story and basement, frame and stucco apartment with rein.-con. garage structure, Virginia St., by day labor and sub-contracts. $200,000. D. M. Crooks, Thayer Bldg., Oakland, archt. Noted Feb. 24.

Calif., Los Angeles—APARTMENT—D. Futernick, 2816 Somerset St., 4 story and basement, brick, Padre Terrace, to Cooper Constr. Co., Pacific Natl. Bank Bldg., $165,000. Noted Feb. 10.

Calif., Los Angeles—APARTMENT and GARAGE—English Realty Corp., 8 story and basement, 134 x 150 ft., rein.-con., 4th St. and Normandie Ave., to E. C. English, 401 South Normandie Ave. $900,000.

Calif., Los Angeles—BANK and OFFICE—Merchants Natl. Bank Bldg., 558 South Spring St., 12 story, 65 x 120 ft., rein.-con., stone and terra cotta addition, Spring St. adjoining Hellman Bank Bldg., to P. J. Walker Co., W. M. Garland Bldg., approximately $1,000,000. Noted Feb. 10.

Calif., Los Angeles—HOTEL—H. Ruff, Franklin Ave., 12 story and basement, 60 x 115 ft., rein.-con. and stucco, 5th and Figueroa St., to J. M. Cooper, 301 Rives-Strong Bldg., $500,000.

Calif., San Francisco—APARTMENT—A. H. Knoll, archt., 222 Kearny St., will build steel and concrete, Geary and 33rd Aves., by day labor and segregated contracts. $155,000. Owner's name withheld. Noted May 27.

Ont., Toronto — OFFICE — Yolles & Rotenberg (owner and general contractor), Federal Bldg., will build 12 story and basement, 75 x 85 ft., rein.-con., brick and steel, plain foundation, Bay and Albert Sts. $500,000.

Buildings — Industrial

Proposed Work

N. H., Manchester — BAKERY — Cote Bros., 610 Main St., having sketches made by Butterfield-Guertin Co., Beech St., brick bakery, South Elm St. $45,000.

Mass., Boston — POWER STATION — Edison Electric Illuminating Co., 70 State St., takes bids about Mar. 10, 1 and 2 story and basement, rein.-con., brick and steel, plain foundation, Arch and Hawley Sts. To exceed $40,000. Bigelow & Wadsworth, 120 Tremont St., archts. Noted Dec. 2.

Mass., Lynn—TANNING PLANT—Lynn Tanning Co., 53 Boston St., having plans prepared by J. Schwartz, 25 Central Ave., brick and steel, Boston St. $40,000 or more.

Mass., South Boston (Boston P. O.) — FISH HANDLING PLANT — Commonwealth Ice & Cold Storage Co., A. L. Barker, vice pres., 220 Northern Ave., had plans prepared by E. N. Pike, 38 Chauncy St., Boston, altering and constructing 3 story, brick and steel top addition. To exceed $40,000.

Mass., Watertown — FACTORY—Owner, c/o D. T. Cormier, archt., 15 Herbert St., Somerville, having plans prepared 2 story, brick and rein.-con. factory, here. $45,000.

Mass., Watertown—MANUFACTURING—Hay & Peabody Cement Vault Co., 282 Somerville Ave., Somerville, having plans prepared by E. J. MacDonald, 77 Summer St., Boston, 1 story, 88 x 170 ft., Arlington St., here. $40,000.

R. I., Pawtucket — REPAIR SHOP, STORE and GARAGE—Pawtucket Times, C. O. Block, pres., having plans prepared by Monahan & Meikle, 255 Main St., 1 and 2 story and basement, rein.-con. and brick, plain foundation. $50,000 or more.

Conn., New Britain — INDUSTRIAL — New Britain Gas Co., A. H. Scott, genl. supt., Cherry St., plans 35 x 65 ft. steel and brick industrial building. $65,000.

Conn., Norwalk — FACTORY — Rabhor Co., Inc., 127 Washington St., South Norwalk, soon lets contract 3 story, 75 x 158 ft., rein.-con., brick and steel, A Water St., here. $100,000. Fletcher Thompson, Inc., 542 Fairfield Ave., Bridgeport, archts. Noted Jan. 20.

Conn., Norwalk—FACTORY—Strab Fur Cutting Co., Inc., Railroad Pl., soon lets contract 1 story, rein.-con., brick and steel top addition, East End Railroad Pl. $50,000. Fletcher-Thompson, Inc., 542 Fairfield Ave., Bridgeport, archts.

Conn., Waterbury — REPAIR SHOP, GARAGE and SHOWROOM—E. M. Jennings Co., Inc., 27 Harrison St., Bridgeport, plans 2 story, rein.-con., brick and steel, South Main St. $75,000. Private plans.

Pa., Bethlehem—PUBLISHING HOUSE—Globe-Times Co., Broadhead and 4th Sts., having plans prepared by Weinger & Snyder, Bethlehem Trust Co. Bldg., 2 story and basement, 56 x 167 ft. rein.-con. and brick, plain foundation, here.

Pa., Pittsburgh — LAUNDRY — U. S. Laundry Co., Winifred and Success Sts., having plans prepared by R. M. Reutti, Whitfield Bldg., 3 story and basement, 50 x 60 ft., brick on hollow tile laundry and boiler house, Winifred St. $40,000.

La., Hammond — BOX FACTORY — Standard Box & Veneer Co., Inc., C. Weinberger, pres., 800 United Fruit Bldg., New Orleans, soon takes bids box factory, rein.-con., here. $100,000. E. Weile, Whitney Annex, New Orleans, archt.

O., Cleveland—FREIGHT TERMINAL—New York, Chicago & St. Louis R.R. Co., c/o A. C. Harvey, ch. engr. (Nickel Plate Dist.), Columbia Bldg., had plans prepared 1 and 2 story, 80 x 300 ft., brick and steel, East 45th St. $150,000. W. J. Bergen, Columbia Bldg., engr.

O., Columbus—REPAIR GARAGE—R. W. Schiff, 108½ North 3rd St., having plans prepared by H. C. Holbrook, James Theatre Bldg., 1 story, 78 x 150 ft., brick and steel, 3415 North High St. $40,000.

O., Dayton—FACTORY—Dayton Hydraulic Co. plans 2 story, 58 x 198 ft. factory, Beckel St. $40,000. Hill Smith & Co., Winters Bank Bldg., engrs. Vulcan Tool Co., 418 East 1st St., lessee.

O., Middletown—POWER PLANT—P. A. Sorg Paper Co. having plans prepared by W. D. Spengler, engr. and archt., Union Trust Bldg., Cleveland, 1 story, brick, steel and concrete power plant. $100,000.

Ind., Lafayette—FACTORY—Haywood Tag Co. having plans prepared by W. Scholer, 301 Painters & Decorators Bldg., rein.-con., brick and steel factory. $40,000.

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Buildings—Industrial (Continued)

Ind., Lafayette—REPAIR SHOP—Chicago, Indiana & Louisville Ry., 608 South Dearborn St., Chicago, Ill., A. S. Kent, ch. engr., takes bids about Mar. 7, 1 story, 76 x 500 ft., brick and steel locomotive repair shops, here. $300,000.

Ind., Logansport—STORAGE—Motor Oil Co. having plans prepared by C. J. Horn, Citizens Trust Bldg., 1 story and basement, 40 x 130 ft., rein.-con., brick and steel, 18th and Wabash R.R. tracks. $45,000. Bevington & Williams, Pythian Bldg., Indianapolis, engrs.

Ill., Chicago—FACTORY—Leichenko & Esser, archts., 38 South Dearborn St., making plans and take bids about Mar. 8, 6 story and basement, 125 x 150 ft., brick and heavy timber, 21st St. and Canalport Ave., for Chicago Macaroni Co., 2148 Canalport Ave. $450,000.

Ill., East St. Louis — DISTRIBUTION PLANT, GARAGE, etc. — Mid-Continent Petroleum Corp., Landreth Bldg., St. Louis, Mo., takes bids after Mar. 1, 2 story and basement, 60 x 120 ft. distribution plant, 1 story, 30 x 120 ft. garage, both concrete, brick and steel, also eight 20,000 gal. capacity storage tanks and concrete dike, 21st St. and St. Louis Ave. $150,000. D. X. Murphy & Bro., 714 Louisville Trust Bldg., Louisville, Ky., archts. Noted Feb. 24.

Ill., Granite City—LOCOMOTIVE BED SHOP—Commonwealth Steel Co., A. T. Moray, gen. mgr., soon take bids rein.-con. and steel locomotive bed shop, also rein.-con. subway for pedestrians under railroad tracks at southern end of plant. Private plans.

Ill., Streator—FREIGHT STATION—See "Buildings—Commercial."

Kan., Atchison—RADIO PLANT—F. W. Stein, c/o Steinite Laboratories, had preliminary plans prepared by Homer, Wyatt & Rhodes, 468 Bd. of Trade Bldg., Kansas City, Mo., 3 story and basement, 130 x 200 ft., rein.-con., 10th and Commercial Sts. $175,000.

Mo., Clinton — PLANT, etc. — Missouri Pub. Serv. Co. purchased West Missouri Power Co. and plans rein.-con. plant and installing equipment to double capacity of plant; also transmission line, etc. between Clinton and Pleasant Hill. $852,000. Private plans.

Tex., Beaumont—SAW MILL and LUMBER PLANT—Texas Tie & Lumber Co., 1358 Harrison Ave., Orange, plans saw mill and lumber plant, 15,000 ft. daily capacity.

Tex., Kirbyville — SAW MILL — Trout Lumber Co. having plans prepared complete saw mill, 20,000 ft. daily capacity. $40,000. Private plans.

Tex., Laredo—OIL REFINERY PLANT—Motor Fuel Products Co., c/o G. A. Camphius, plans cracking plant on Heights of Laredo, $150,000. Private plans. Address owners direct relative machinery needed.

Tex., Orange—CANNING PLANT—W. H. Stark and associates, Beaumont, had plans prepared by T. A. Howell, Beaumont, 1 story, 100 x 200 ft., rein.-con. and timber, iron foundation. $125,000.

Tex., San Antonio — BAKERY — Lone Star Baking Co., c/o L. Peters, 902 East Commerce St., purchased site and plans 2 or 3 story and part basement, rein.-con. and brick, plain foundation, South Presa and Vitra Sts. $250,000. Engineer and architect selected soon.

Okla., Lawton — ICE PLANT — Southwestern Light & Power Co., Braniff Bldg., Oklahoma City, E. R. Ernsberger, pres., had plans prepared 65 ton raw water ice plant addition, here. $140,00. Noted Nov. 11.

Calif., Los Angeles—PRINTING PLANT and OFFICE—Down Town Shopping News, 304 Boyd St., plans probably rein.-con. printing plant and office building. $250,000 or more.

Calif., Los Angeles—WAREHOUSE—Sperry Flour Co., 141 California St., San Francisco, plans 150 x 220 ft., fireproof, Butler and Maryland Aves.

Ont., Toronto — WAREHOUSES — See "Unclassified."

B. C., Vancouver — STEEL SHOP — Dominion Bridge Co., 626 Pender St. W., purchased site and plans steel shop, plain foundation, Cook and Crowe Sts. $200,000. Work will probably be done by day labor. Private plans.

Bids Desired

Me., Thomaston — PLANT — See "Contracts Awarded."

Mass., Chelsea (br. Boston)—REPAIR and SERVICE GARAGE—See "Contracts Awarded."

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Mass., Dorchester (Boston P. O.)—REPAIR and SERVICE GARAGE—See "Contracts Awarded."

Mass., Newton (Ind. br. Boston) — REPAIR, SERVICE and SHOWROOM — Stewart Marshall Realty Co., A. S. Stewart, 280 Centre St., taking bids 1 story, rein.-con., brick and steel, plain foundation, Walnut and Centre Sts. $75,000. Private plans. E. J. MacDonald, 77 Summer St., Boston, engr.

Pa., Phila. — FACTORY — I. W. Levin, archt., 1011 Chestnut St., taking bids 3 story and basement, 60 x 115 ft., brick and steel, plain foundation, 7-11 North 2nd St., for Dura Bilt Fur Co., 7-11 North 2nd St.

La., Baton Rouge—GAS COMPRESSOR—See "Contracts Awarded."

O., Cleveland—BOILER HOUSE—Mar. 5, by Canfield Oil Co., M. C. Dippel, purch. agt., 3216 East 55th St., 2 story, 41 x 50 ft., brick and rein.-con., East 52nd St. and Western & Lake Erie R.R. tracks. $40,000. T. Maynz, c/o owner, engr. Noted Feb. 17.

O., Columbus—POWER HOUSE—Mar. 24, by J. E. Harper, 1 story, 75 x 100 ft., brick and concrete, at Deaf and Dumb Institution, East Town St., for Dept. Welfare, 9th and Oak Sts. $55,000. H. B. Briggs, Ohio-Hartman Bldg., archt.

Md., Hagerstown—PLANT—L. T. Klauder, engr., Bankers Trust Bldg., Phila., Pa., 2 story and basement, 123 x 166 ft., rein.-con., brick and steel lighting plant, from Consolidated Eng. Co., 20 East Franklin St., for City. $197,900. Noted Feb. 10.

Mo., St. Louis — BOX FACTORY — See "Contracts Awarded."

Ark., Camden—ICE PLANT—See "Contracts Awarded."

Calif., Los Angeles — FACTORY — See "Contracts Awarded."

Calif., Salinas—ICE PLANT—See "Contracts Awarded."

Contracts Awarded

Me., Thomaston — PLANT — Lawrence Cement Co., will build plant, by day labor. $150,000. Burrell Eng. & Constr. Co., Chicago, Ill., engrs. Noted Dec. 2.

Mass., Chelsea (br. Boston)—REPAIR and SERVICE GARAGE—S. Kysnes, 142 Webster Ave., will build 1 story, rein.-con. and brick, plain foundation, 682-690 Bway. $40,000. Work will be done by separate contracts. G. Powell, 64 Pleasant St., Dorchester, archt.

Mass., Dorchester (Boston P. O.)—REPAIR and SERVICE GARAGE—H. E. Cline, 43 Tremont St., Boston, will build 1 story, 19,000 sq.ft., rein.-con. and brick, plain foundation, 613-627 Columbia Rd., here. $75,000. Work will be done by separate contracts. Private plans.

Mass., Waltham (Ind. br. Boston)—FACTORY—J. L. Thompson Mfg. Co., altering and constructing 3 story, 50 x 125 ft. timber addition, plain foundation, to L. H. Shattuck Co., 208 Granite St., Manchester, N. H. Archts. est. $50,000. Noted Feb. 10.

N. J., Hoboken—FACTORY—Amer. Lead Pencil Co., 500 Willow Ave., rein.-con., brick and steel, plain foundation, Willow Ave., to Turner Constr Co., 244 Madison Ave. New York City. Archts. est. $225,000.

Pa., Greensburg—LAUNDRY—Keystone Sanitary Supply Co., general contract 2 story and basement, 45 x 140 ft., rein.-con. and steel, Hamilton St., to Cavaliers Constr. Co., 621 West Pittsburgh St. Archts. est. $40,000. Noted Feb. 17.

Pa., Phila.—DRESS FACTORY—C. E. Wunder, archt., 1520 Locust St., general contract 2 story and basement, 75 x 75 ft., rein.-con. and brick addition, plain foundation, 25th and Fox Sts., to E. E. Hallenback, 1910 North Marshall St., for Rosenau Bros., 25th and Fox Sts. Noted Feb. 10.

La., Baton Rouge—GAS COMPRESSOR—Interstate Natural Gas Co. will build natural gas compressor plant and pipe line from here to New Orleans, by day labor, under supervision Ford, Bacon & Davis, Inc., engrs., Louisiana Bldg., New Orleans. $500,000.

Ky., Paducah—SHOPS—Illinois Central R.R. Co., 135 East 11th Pl., Chicago, Ill., A. F. Blaess, ch. engr., 1 story, 84 x 316 ft. wood mill, 73 x 176 ft. wheel shop, 25 x 240 ft. lumber shed, and 29 x 64 ft. tractor garage, brick and steel, plain foundation, Bway., here, to Nelson Constr. Co., Paducah. Archts. est. $160,000.

O., Cleveland — FACTORY — Ferbert Schondorfer Co., 12700 Elmwood Ave., 2 story and basement, 56 x 65 ft., brick and rein.-con., 12700 Elmwood Ave., to Austin Co., 16112 Euclid Ave. Archts. est. $50,000. Private plans.

O., Cleveland — PACKING HOUSE — Kreinberg & Krasny, 3117 West 63rd St., masonry contract 2 story and basement, 100 x 126 ft., brick and rein.-con., W. 65th St., to Adelowitz & Lessowitz, owner. Archts. est. $125,000.

O., Youngstown—FREIGHT TERMINAL—Erie R.R., R. E. Falconer, ch. engr., Church St., New York City, 5 story and basement, 90 x 422 ft., brick and rein.-con., to C. Shutrump & Sons Co., 107 West Hyland St. Archts. est. $6,750,000. Private plans.

Ind., Indianapolis—FACTORY— Beveridge Paper Co., S. B. Sutphin, pres., 717 West Washington St., general contract 3 story, 115 x 130 ft., rein.-con., brick and steel factory, to Mothershead & Fitton, 542 North Meridian St. Archts. est. $90,000. Noted Feb. 10.

Ill., Chicago—FACTORY—Central Mfg. Co., 38 South Dearborn St., carpentry contract 1 story, 100 x 150 ft. factory, 1715-25 West 38th St., to J. E. Doherty, 133 West Washington St. Archts. est. $40,000. H. C. Knisley & Co., 1912 South Western Ave., lessee.

Ill., Chicago—FACTORY and OFFICE — Royal Box Co., North Leavitt Ave., masonry contract 120 x 125 ft., brick, 3243-32 North Leavitt St., to J. Gomm, 133 West Washington St.; carpentry contract, to F. Bascher, 1931 South Millard Ave. Archts. est. $50,000.

Ill., Chicago — POWER HOUSE — Agar Packing Co., 4057 South Union Ave., 1 story, 52 x 52 ft., brick, 4019-21 South Union Ave., to B-W Constr. Co., 720 Cass St. Archts. est. $40,000.

Ill., Chicago — MILL — Vermont Marble Co., 414 East North Water St., 1 and 2 story, 80 x 180 ft., brick, 5531-47 North Lincoln St., to Mutual Constr. Co., 2532-34 Warren Ave. Archts. est. $55,000.

Mo., St. Louis—BOX FACTORY—Century Electric Co., 1806 Pine St., will build 1 story, 105 x 124 ft., steel, brick, terra cotta and cut stone, Pine and 19th Sts. $50,000. Work will be done by separate contracts. Klipstein & Rathmann, 316 North 8th St., archts. Noted Feb. 17.

Ark., Camden—ICE PLANT—Rockwell Mfg. Co., will build 1 story, 72 x 72 ft., rein.-con. and brick, 25 ton daily capacity, by day labor. E. F. Graves, pres.

Tex., Houston—SUBSTATIONS—Houston Lighting & Power Co., 1016 Walker St., to Texas Constr. Co., Electric Bldg. West End Substation $130,000, Magnolia Park Substation $300,000, North Side Substation $325,000, substation transformers $65,000, improving distribution system $212,700, and transmission lines $359,500.

Tex., Houston — WAREHOUSE — Linde Air Products Co., 30 East 42nd St., New York City, 1 story, 61 x 95 ft., Harrisburg Blvd., here, to D. Hall, Cotton Exch. Bldg., $50,000.

Calif., Los Angeles—FACTORY—Morris Furniture Mfg. Co., 4433 South Alameda St., will build 2 story, 50 x 185 ft., rein.-con. addition, by day labor. $75,000. Private plans.

Calif., Los Angeles — PLANT — South Western Eng. Co., 1221 Hollingsworth Bldg., erecting steel for 189 x 216 ft. main building with 132 x 240 ft. bay attached in rear, incl. laboratory, etc., 4800 Block on Santa Fe Ave., to Baker Iron Wks., 912 North Bway.; high loft craneway, to Union Iron Wks., 5125 Santa Fe St. Total to exceed $1,500,000.

Calif., Salinas — ICE PLANT — Salinas Cold Storage & Ice Co. will build 1 story ice plant, timber, by day labor and subcontracts. $150,000. La Fever Eng. Co., 545 2nd St., San Francisco, engrs.

Mexico, Mexicali — BREWERY — Aztec Brewing Co., 4 story and basement, 150 x 150 ft., rein.-con., steel and stucco, to Kimmerle-Hess Co., 9275 Gramercy Pl., Los Angeles, Calif., $50,000.

Buildings — Educational Religious

Proposed Work

N. H., Manchester—ART GALLERY—Currier Art Gallery takes bids about Feb. 28, art gallery. E. L. Tilton, 141 East 45th St., New York City, archts. Noted Jan. 13.

N. H., Nashua—SCHOOL—City, E. D. Sargent, City Hall, plans 2 story and basement, brick and stone, Palm St. $150,000. Engineer and architect not selected.

Mass., Braintree—CHAPEL—St. Francis Parish, W. H. Walsh, pastor, 856 Washington St., having plans prepared by W. B. Colleary, 80 Boylston St., Boston, 1 story and basement, brick, stone and granite,

Buildings—Educational, Religious (Cont.)

plain foundation, Elm St. and Hawthorne Rd. $150,000.

Mass., Fairhaven — HIGH SCHOOL — Town, Bd. Educ., plans 2 story and basement, brick high school. $175,000. Engineer and architect not selected.

Mass., Hyde Park (Boston P. O.)—HIGH SCHOOL—City, Schoolhouse Dept., Boston, having preliminary plans prepared by McLaughlin & Burr, 88 Tremont St., Boston, 3 story and basement, brick and limestone, plain foundation, Metropolitan Ave., Arlington, Central and Jefferson Sts., here. To exceed $150,000. Noted Oct. 28.

Mass., Milford—HIGH SCHOOL—Town, J. C. Lynch, chn. com., 188 Main St., having sketches made by R. A. Cook, 57 Prospect St., 4 story and basement, 85 x 135 ft., brick and stone addition, plain foundation. $350,000.

Mass., New Bedford — SCHOOL — Mt. Carmel Parish, 230 Bonney St., plans new school. $200,000. Leary & Walker, Times Bldg., archts.

Mass., Weymouth—SCHOOL—Town, P. T. Pearson, supt., plans 2 story and basement, brick, Pond View Dist. $150,000. Engineer and architect not selected.

Mass., Worcester — SCHOOL — Immaculate Conception Parish, J. P. McCaughan, pastor, plans school $150,000 or more. Engineer and architect not selected.

R. I., Kingston — ENGINEERING — Rhode Island State College having sketches made by Bigelow, Kent, Willard & Co., Park Sq. Bldg., Boston, engineering building $200,000, gymnasium and drill hall $100,000, and mens dormitory $75,000, also remodeling Lippett Hall. Noted Dec. 16.

Conn., Simsbury — HIGH SCHOOL — Town plans brick, steel and stone addition. $150,000. F. I. Cooper Corp., 983 Main St., Hartford, archts.

N. Y., New York—GENEALOGICAL—New York Genealogical & Biographical Society, 226 West 58th St. having preliminary plans prepared by LaFarge, Warren & Clark, 146 East 46th St., brick, steel and stone, plain foundation, East 58th St. $300,000.

N. Y., New York—HOME—Home of Sons & Daughters of Israel, 232 East 10th St., having plans prepared by L. A. Sheinart, 194 Bway., 8 story, brick, steel and stone, plain foundation, 230 East 10th St. $400,000.

N. Y., Yonkers—CHURCH—St. Pauls Episcopal Church having plans prepared by Cram & Ferguson, 248 Boylston St., Boston, Mass., church. To exceed $150,000.

N. J., Camden — CHURCH — Memorial Christian Church, M. W. Sutcliffe, c/o N. Hulm, archt., 1524 Chestnut St., Phila., Pa., having plans prepared 4 story church, Park Blvd., here. $300,000.

N. J., Moorestown — CHURCH, RECTORY and PARISH HOUSE — Trinity Episcopal Church, E. L. Sanford, pastor, having plans prepared by Karcher & Smith, 1520 Locust St., Phila., Pa., church, rectory and parish house. $150,000.

N. J., Weehawken—SCHOOL—Bd. Educ. having plans prepared by W. Weir, 309 Angelique Ave., Union for school, Louisa Pl. $400,000.

Pa., Pittsburgh — CHURCH — Holy Rosary Congregation, Lang Ave. and Kelly St., having plans prepared by Cram & Ferguson, 248 Boylston St., Boston, Mass., 1 story and basement, 95 x 150 ft., steel and limestone, Lang Ave. and Kelly St. $500,000.

Pa., Pittsburgh — CHURCH — St. Walbergs Roman Catholic Church had plans prepared by Potter, Gabele & Co., Prospect Fourth Bldg., Cleveland, O., 1 story and basement, 50 x 120 ft., concrete, steel and stone church. $150,000.

Va., Fort Myer—CHAPEL—F. H. Price, Ames Bldg., Boston, Mass., having plans prepared by Cram & Ferguson, 248 Boylston St., Boston, Mass., Memorial Chapel, opposite main gate Arlington Cemetery, on military reservation, here, $500,000; also landscape gardens about above chapel, $100,000.

O., Cincinnati—SCHOOL—St. Francis De Sales Church, Madison Rd., having plans prepared by H. W. German, Miami Savings Bldg., Dayton, 2 story and basement, 65 x 300 ft., brick and rein.-con., plain foundation, Hackberry St. $250,000.

O., Cleveland—LIBRARIES—Cleveland Pub. Library Bd., C. W. Metcalf, secy.-treas., East 3rd St. and Superior Ave., having plans prepared by Walker & Weeks, 1900 Euclid Bldg., two 1 story and basement, brick, steel and concrete, one at East 152nd St. and St. Clair Ave. and other West 157th St. and Lorain Ave. $200,000.

O., New Concord—SCIENCE—Trustees Muskingum College, soon take bids science building, concrete pile foundation, on campus. $200,000-$250,000.

Ind., Laporte — CHURCH — Methodist Episcopal Church, A. Beek, pastor, having plans prepared by G. W. Allen, Laporte, and takes bids about Apr. 1, 4 story, 115 x 150 ft., steel and stone church. $200,000.

Mich., Sault Ste. Marie—HIGH SCHOOL—Bd. Educ. and J. D. Chubb, archt., 109 North Dearborn St., take bids about Mar. 15, 3 story and basement, rein.-con., brick and stone high school. $300,000. Noted Jan. 13.

Ill., Chicago—SCHOOLS—Bd. Educ., 650 South Clark St., plans expending $22,525,000, 22 new schools and 4 additions in various parts of city.

Mo., Kansas City—ART MUSEUM—City received $1,000,000 endowment, for William Rockhill Wilson Art Museum. Total $1,500,000. Engineer and architect not selected. Noted Nov. 4.

Mo., Kansas City—SCHOOL—Bd. Educ. had plans prepared by C. A. Smith, 800 Finance Bldg., and takes bids about Mar. 4, Meservey School Unit, 2 story and basement, rein.-con. and brick, 45th and Spruce Sts. $150,000. N. Downes, 602 Finance Bldg., engr.

Mo., Kansas City—SCHOOL—Bd. Educ. had plans prepared by C. A. Smith, 800 Finance Bldg., and takes bids about Mar. 4, John J. Pershing School Unit, 2 story and basement, rein.-con., brick and steel. $175,000. N. Downes, Finance Bldg., engr.

Mo., Sedalia—SCHOOLS—Election Mar. 22, $400,000 bonds, constructing 4 new and remodeling school buildings, for Bd. Educ.

Calif., Corona—SCHOOL—Voted $160,000 bonds, new school, and additions to standing structures. Noted Jan. 7.

Calif., Fresno—SCHOOL—L. L. Smity, secy. Bd. Educ., rejected bids Feb. 10, Winchell School, 2 story, rein.-con. $150,000. Will readvertise. Kump & Johnson, Rowell Bldg., archts. Noted Jan. 13.

Calif., Glendale — SCHOOLS — Glendale School Dist. voted $900,000 bonds, for high school in north west section of city, and addition to present schools.

Bids Desired

Mass., Bedford—SCHOOL—Town, School Com. taking bids 2 story and basement, brick and stone, plain foundation. To exceed $150,000. Derby & Robinson, 3 Joy St., Boston, archts. Noted Jan. 13.

Mass., Worcester—SCHOOL—Mar. 8, by City, Pub. Building Dept., City Hall, 2 story and basement, brick and steel addition, Adams St. $150,000. J. Rustigian, 16 Norwich St., archt. Noted Feb. 10.

Conn., Derby—SCHOOL—Mar. 14, by St. Joseph's Parish, A. K. Plunkett, pastor, 2 story and basement, rein.-con., brick and steel, incl. auditorium, bowling alleys and library, Elm St. and Coram Ave. $250,000. Smith, Kinne & Palmer, 256 Main St., archts. Noted Jan. 13.

Pa., Hollidaysburg—SCHOOLS—Mar. 14, by School Dist., W. V. Eardley, supt., two 1 story, 6 room schools, also constructing two 2 room additions, all rein.-con. and brick, here. $175,000. J. Hunter, Jr., Trust Co. Bldg., archt.

Miss., Moorehead—ADMINISTRATION—Mar. 10, by C. T. Bookout, pres. Bd. Trustees Sunflower Co., Agricultural High School and Junior College, new administration building. J. P. Spain, Jackson, archt.

O., Asheville — GRADE and HIGH SCHOOL—Mar. 17, by Bd. Educ., Ashland, G. D. Griffith, clk., and Harrison Twp., H. S. Hay, clk., 2 story and basement, 95 x 220 ft., brick and concrete, incl. auditorium and gymnasium, here. $160,000. Glass & Ramsey, 186 East Broad St., Columbus, archts. Noted Feb. 3.

Ind., Lafayette—SCHOOL—Mar. 11, by School Trustees, Longlois School, 1 story and basement, 61 x 72 x 270 ft., rein.-con., brick and steel incl. auditorium. $150,000. F. P. Reidel, 823 Lafayette Life Bldg., archt. R. W. Noland, Lafayette Life Bldg., engr.

Ind., Muncie—CHURCH—Mar. 10, by Methodist Episcopal Church, High and Adams Sts., 3 story and basement, 125 x 165 ft., steel and stone church. $250,000. G. Jansson, 740 North Rush St., Chicago, Ill., superv. archt. Houck & Smenner, 108 East Washington St., archts. Noted Feb. 10.

Ind., Pendleton—SCHOOL—Apr. 1, by School Trustees. T. Healy, pres., brick school. $150,000. E. R. Walkins, Farmers Trust Bldg., Anderson, archt.

Ore., Portland—HIGH SCHOOL—Mar. 14, by School Dist., East 7th and Clackamas Sts., 2 story, 87 x 165 ft., and 75 x 140 ft., rein.-con. and brick addition, to Grant High School, East 36th St. N. $410,000. Knighton & Howell, U. S. Natl. Bank Bldg., archts.

Calif., Gardena—CHURCH—Newton & Murray, archts., 304 San Fernando Bldg., Los Angeles, taking bids rein.-con. church, here, for Roman Catholic Archbishop, Los Angeles.

Bids Received

N. Y., New York—HIGH SCHOOL—W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, Feb. 23, general contract DeWitt Clinton High School, Mosholu Parkway, from Gibbs Rice Co., Inc., 606 1st Ave., for Bd. Educ., 500 Park Ave. $2,572,000. Noted Jan. 27.

Contracts Awarded

Me., Hinckley — SCHOOL — Good Will Home Assn., G. W. Hinckley 2 story and basement, brick and stone, plain foundation, to H. Purington Co., 65 Temple St., Waterville. Archts. est. $150,000. Former contract rescinded. Noted Nov. 11.

Mass., Salem—NURSES HOME—Salem Hospital, Highland Ave., 3 story and basement, brick, stone and granite, plain foundation, to C. S. Cunningham & Sons Constr. Co., 80 Boylston St., Boston. Archts. est. $150,000. Noted Jan. 20.

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Buildings—Educational, Religious (Cont.)

R. I., Central Falls — CHURCH — St. Methuen's Church, J. A. Laliberti, pastor, 1 and 2 story and basement, brick and stone, Dexter and West Hunt Sts., to E. Turgeon, 72 Weybosset St., Providence. Archts. est. $400,000. Noted Feb. 10.

Conn., New Britain—SCHOOL—Sacred Heart Parish, L. Bojnowski, pastor, 3 story and basement, 80 x 120 ft., brick and steel, incl. work shop, bowling alleys, Orange St., to Carlson & Torell, 50 Dwight St. Archts. est. $200,000. Noted Jan. 13.

Pa., Phila. — MUSEUM — University of Pennsylvania, 34th and Spruce Sts., 3 story, mezzanine and basement, 65 x 204 ft., rein.-con., brick and steel, 34th and Spruce Sts., to J. Meyers Co., 5100 Lancaster Ave. Noted Dec. 30.

Md., Baltimore—SCHOOL and CONVENT—J. K. Stack, archt., 308 East Lafayette Ave., school and convent, to Franie Bros. & Haigley, 19 West Franklin St., for St. Pauls Roman Catholic Church, M. F. Foley, pastor, Caroline and Oliver Sts. $150,000. Noted Jan. 27.

Ga., Ft. Valley—SCHOOL—Ft. Valley Consolidated School Dist., 2 story and basement, 67 x 210 ft. and 52 x 67 ft. school, to J. M. Cooper, Lenard Bldg., Augusta, $180,000. Noted Feb. 3.

Mo., Kansas City—SCHOOL—Bd. Educ., rein.-con. and brick addition to Longfellow School, to T. H. Linshear Constr. Co., 244 Ry. Exch. Bldg., St. Louis, $140,453.

Mo., St. Louis — CHURCH, etc. — St. Georges Roman Catholic Parish, c/o J. A. Siebert, pastor, 8240 Gravois Ave., general contract 2 story and basement, rein.-con., brick, stone and terra cotta, Gravois and Heege Aves., to F. Knapstein, 8204 Gravois Ave. Archts. est. $150,000. Noted Jan. 20.

Mo., St. Louis—SCHOOL—Bd. Educ., 911 Locust St., general contract 2 story and basement, rein.-con., brick and limestone, Kingshighway and Penrose St., to Dickie Constr. Co., Syndicate Trust Bldg., $203,-591; heating and ventilating, to Sodemann Heat & Power Co., 2306 Morgan St., $31,-195. Noted Feb. 17.

Ariz., Phoenix—CHURCH—First Presbyterian Church, 2 story, 150 x 300 ft., brick and stone, Phoenix St., to C. Olcester, 921 Park Circle, Long Beach, Calif., $244,-800. Archts. est. $260,000. Noted Dec. 16.

Calif., Oakland—HIGH SCHOOL—Bd. Educ., Lowell Jr. High School, 3 story and basement, brick to R. W. Littlefield, 357 12th St., $264,440. Noted Feb. 17.

Federal Government Work

Proposed Work

Wash., Easton—Canal—Bureau Reclamation, Ellensburg, E. Mead, comr., rejected bids Dec. 28, 10 mi. Kittitas Canal, Div. 2, near here. Noted Jan. 6.

Calif., San Francisco—Refrigerating Machine — Constructing Quartermaster, Fort Mason, soon takes bids 5 ton refrigerating machine for Fort McDowell.

Bids Desired

N. Y., New York—Lighting—Mar. 14, by Treas. Dept., at office Supervising Archt., Wash., D. C., lighting in U. S. Post Office, here.

N. Y., Sunmount—Buildings, etc.—Mar. 29, by U. S. Veteran's Bureau, Arlington Bldg., Wash., D. C., constructing buildings, and utilities, incl. roads and walks at U. S. Veteran's Hospital 96, here; adv. E. N.-R. Mar. 3.

N. J., Bayonne—Post Office—Mar. 24, by Treas. Dept. at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here. J. A. Wetmore, acting supervising archt.; adv. E. N.-R. Mar. 3.

W. Va., Alderson—Buildings, etc.—Apr. 5, by Treas. Dept., at office Supervising Archt., Wash., D. C., constructing buildings, mechanical equipment, etc., at Federal Industrial Institution for Women, here. J. A. Wetmore, acting supervising archt.; adv. E. N.-R. Mar. 3.

Md., Annapolis—Disposal Plant—Spec. 5305—Mar. 9, by Bureau Yards & Docks, Navy Dept., Wash., D. C., sewage disposal system, here. Noted Feb. 17.

Wis., Milwaukee—Foundation, etc.—Mar. 16, by Supt. Lighthouses, constructing submarine foundation and concrete superstructure for Lansing Shoal Light Station, at Northerly end Lake Michigan.

Mo., St. Louis—Pump—Mar. 5, by U. S. Engineer Office, 428 Custom House, 1 centrifugal single suction dredging pump with 32 in. discharge line.

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N. M., East Las Vegas—Post Office—Apr. 4, by Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here.

Nevada — Road — Mar. 15, by C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., Sheldon Bldg., San Francisco, grading and graveling 5.97 mi. Conners Pass Natl. Forest Highway, White Pine Co.

P. I., Canacao—Quarters—Spec. 5326—June 1, by Bureau Yards & Docks, Navy Dept., Wash., D. C., quarters at Naval Hospital, here; adv. E. N.-R. Mar. 3.

Bids Received

N. Y., Northport — Deep Well — U. S. Veteran's Bureau, Arlington Bldg., Wash., D. C., Feb. 23, completing deep well at U. S. Veteran's Hospital, here, from A. J. Connolly Well Sinking Corp., 30 Church St., New York City, $2,800. Noted Feb. 17.

N. Y., Yonkers — Post Office — Treas. Dept., at office Supervising Archt., Wash., D. C., Feb. 23, U. S. Post Office, here, from Agostinni Bros., Arcade Bldg., Norfolk, Va., $464,548. Noted Jan. 27.

Pa., Lewistown—Post Office—Supervising Archt., Wash., D. C., Feb. 25, 3 story and basement, 80 x 100 ft., brick, steel and stone post office, here, from A. C. Samford, 24 Galena St., Montgomery, Ala., $88,825. Noted Jan. 27.

D. C., Wash.—Elevator Enclosure Doors—Spec. 5321—Bureau Yards & Docks, Navy Dept., Wash., D. C., Feb. 23, elevator enclosure fronts, from F. S. Gichner Iron Wks., 1214 D St. N. W., $3,850. Noted Feb. 3.

Fla., Jupiter—Garage, etc.—Spec. 5291 and 5292—Bureau Yards & Docks, Navy Dept., Wash., D. C., combination garage, storehouse and warehouse, also boathouse and wharf, at Naval Radio Station, here, from Newport Contg. & Eng. Co., Silsby Bldg., Newport News, Va., $4,200 and $4,[illegible]00 respectively. Noted Feb. 3.

La., Carville—Boiler—Treas. Dept., at office Supervising Archt., Wash., D. C., boiler at Natl. Lepers Home, here, from Fort Dodge Boiler Wks., Fort Dodge, Ia., $7,050.

Tenn., Athens—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., Feb. 23, constructing U. S. Post Office, here, from A. Blair, 11 South Lawrence St., Montgomery, Ala., $76,738. Noted Feb. 3.

Ky., Fort Thomas—Incinerator—Constructing Quartermaster, constructing incinerator, from J. Ralings, Newport, $11,-605 (90 days). Noted Dec. 23.

Idaho, Standpoint—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., Feb. 21, supplemental bids for U. S. Post Office, here, from W. D. Lovell, 415 Southeast 8th St., $73,300. Noted Feb. 3.

Wash., Tatoosh — Radio Masts — Spec. 5284—Bureau Yards & Docks, Navy Dept., Wash., D. C., Feb. 23, radio masts at Naval Radio Station, here, from E. Pohl, 405 Railway Exchange Bldg., Seattle. $2,045. Noted Jan. 27.

Contracts Awarded

N. Y., Fire Island (mail Babylon)—Radio Towers—Spec. 5314—Bureau Yards & Docks, Navy Dept., Wash., D. C., radio towers at Naval Radio Compass Station, here, to Electrical Contg. Co., 844 Rush St., Chicago, Ill., $5,635 (120 days). Noted Feb. 17.

N. Y., Sunmount—Sewers—U. S. Veterans Bureau, Wash., D. C., sewer line at U. S. Veterans Hospital, here, to S. L. Snyder, Co., 260 West 41st St., New York City, $45,000. Noted Feb. 3.

N. Y., Syracuse—Post Office and Court House—Treas. Dept., at office Supervising Archt., Wash., D. C., constructing granite U. S. Post Office and Court House, here, to Eastern Eng. Corp., 26 Court St., Brooklyn, $1,098,000. Noted Feb. 17.

Pa., Phila.—Sewer, etc.—U. S. Engineers Office, 1505 Race St., constructing 36 in. sewer and abutments in Killcohook Meadows, to M. Staub & Kolyn Constr. Co., Trenton, N. J., $2,000 and to J. N. Rodes, Wilmington, Del., $22,216.

Va., Fort Myer—Storehouse—Constructing Quartermaster, Wash., D. C., rein.-con. storehouse, here, to R. H. B. Ennis, Harford Rd. and Gibbons Ave., Baltimore, Md., $13,129. Noted Jan. 20.

Tex., Sabine Pass—Rock—U. S. Engineer Office, Galveston, 5,000 car rock for jetty work, here, to J. Kerr, Muldoon, approximately $50,000. Noted Jan. 27.

Calif., Mare Island—Heating Plant and Equipment—Spec. 5252—Bureau Yards & Docks, Navy Dept., Wash. D. C., heating plant and equipment at Naval Hospital, here, to Newport Contg. & Eng. Co., Silsby Bldg., Newport News, Va., $36,5[illegible] (120 days). Noted Feb. 17.

Alaska—Dredging, etc.—U. S. Engineer Office, Burke Bldg., Seattle, Wash., dredging and rock removal in Wrangel Narrows, here, to Puget Sound Bridge & Dredging Co., Central Bldg., Seattle, Wash., $[illegible] Noted Feb. 24.

T. H., Hilo—Dredging—U. S. Engineer Office, 401 Custom House, San Francisco, dredging in Hilo Harbor, here, to Hawaiian Dredging Co., Ltd., Honolulu, $[illegible] Noted Jan. 20.

P. I., Cancao—Quarters—Spec. 5309—Bureau Yards & Docks, Navy Dept., Wash., D. C., junior officers quarters and nurses quarters at Naval Station, here, to J. E. Grant, 129 Calle Padre Faura, Manila, $3,986. Noted Sept. 23.

Unclassified

Proposed Work

Aerial and Underground Cables—Massachusetts — New England Telephone & Telegraph Co., 119 Milk St., Boston, plans aerial and underground cables in various streets in Adams, $16,170 appropriated; in Hudson, $5,289 appropriated; in Peabody, $12,582 appropriated; in North Adams, $6,724 appropriated; in Pittsfield, $5,055 appropriated; in Webster, $6,971 appropriated; and in Wellesley, $4,922 appropriated. Private plans.

Aerial and Underground Cables—Massachusetts—New England Telephone & Telegraph Co., 119 Milk St., Boston, plans aerial and underground cables in various streets in Haverhill $46,268 appropriated, in Greenfield $37,880 appropriated, in Danvers $18,218 appropriated, and in Worcester, $88,810 appropriated; additional switchboard equipment in Haymarket Central Exchange in Boston $9,550 appropriated, in Liberty and Hancock Central Exchange Stations $18,337 appropriated, and in Central Exchange Station in Framingham $4,-753 appropriated.

Landscape Gardens—Fort Myer, Va.—See "Buildings—Educational, Religious."

Land Development — Reidsville, N. C.—Reidsville Insurance & Realty Co. plans high class residential subdivision, incl. water lines, sewers, curbing, paving, here, for C. A. Penn. $50,000. Spoon, Lewis & Camp, 428-431 Jefferson Bldg., Greensboro, engrs.

Stadium — Columbus, Miss. — Columbus Fair Assn., H. W. Moore, pres., making preliminary plans rein.-con. stadium for fair grounds. $50,000.

Overpass—Tennessee—State Dept. Highways & Pub. Wks., Nashville, and Nashville, Chattanooga & St. Louis Ry. Co., Nashville, H. McDonald, ch. engr., made surveys and tentative plans overpass over railroad tracks on Chattanooga-Silverdale Rd., Hamilton Co. To exceed $25,000. C. N. Bass, highway comr.

Grade Separation—Wyandotte, Mich.—Wayne Co. Rd. Comn., 1103 Cadillac Sq. Bldg., Detroit, making plans grade separation, consisting depressing highway beneath 4 railroads, each bridge carrying track to consist of 4 spans, 2 over highway and 2 over sidewalks, rein.-con., Eureka Rd.

Subway—Granite City, Ill.—See "Buildings—Industrial."

Transmission Line, etc.—Missouri—See "Buildings—Industrial under Clinton."

Field House—Columbia, Mo.—University of Missouri making preliminary plans rein.-con., brick and steel field house, incl. running track, basket ball courts, etc. $200,000.

Natural Gas Pipe Line—Texas—Comal Power Co., New Braunfels, making plans natural gas pipe line from New Braunfels, through Kyle to San Marcos. $100,000. J. H. Bales, San Marcos, mayor.

Land Development—Abilene, Tex.—Denman Investment Co., c/o R. T. Denman, making plans developing 125 acres near here, incl. paving $60,00, sewers $35,000, parks, etc. Total $150,000. Private plans.

Overpass—Carthage, Tex.—See "Streets and Roads."

Park and Athletic Field—Mexia, Tex.—City plans park and athletic field improvements, incl. 1,500 seating capacity steel grandstand, excav. 6,000 yd., etc. $30,000. Address City Engineer.

Oil Pipe Line—McCamey, Tex.—Humble Oil & Refining Co., McCamey and San Angelo, plans 30 mi. 8 in. pipe line from here to Yates Oil Fields in Tom Green Co. $100,000. Transcontinental Oil Co., McCamey, may do work. Private plans.

Land Development—San Antonio, Tex.—G. C. Smith, c/o G. S. Harwick, Fredericksburg Rd., purchased 4¼ acre site and subdivision development, incl. paving $25,000, sewers $15,000, etc. Private plans.

Unclassified (Continued)

Park, etc.—San Antonio, Tex.—City, c/o J. W. Tobin, mayor, purchased 88 acre site and plans 18 hole golf course, rein.-con. swimming pool, playground machinery and equipment, on South Side. $72,000. I. Ewig, city engr.

Park Improvements—Pawhuska, Okla.—Plans election $40,000 bonds, improving Osage Park.

Gas Mains—Aberdeen, Wash.—Washington Gas & Electric Co. plans extending gas mains in various streets, incl. 20,000 ft. street main and 12,000 ft. service pipe with connections and fittings. $250,000.

Tunnel — Seattle, Wash. — City Council authorized W. C. Morse, city engr., to prepare plans tunnel through Beacon Hill, to carry trunk sewer to Puget Sound at Duwamish Waterway, draining approximately 3,000 acres Ranier Valley, etc.

Lighting System—Laguna Beach, Calif.—Orange Co. (Santa Ana) plans ornamental street lighting system, incl. 91 standards and 15,350 lin.ft. conduit, etc., here. To exceed $25,000. W. K. Hillyard, Santa Ana, co. surv.

Golf Course, etc.—Santa Monica, Calif.—Plans Clover Field Recreational Center, incl. 18 hole golf course, tennis courts, playgrounds, etc. $860,000.

Transmission Line — Quebec — Electrical Serv. Corp. of St. Wencelas de Nicolet, plans transmission line from St. Wencelas to Daveluyville and Maddington Falls.

Control System—London, Ont.—Utilities Comm., E. V. Buchanan, genl. mgr., plans installing central control system main station. $40,000.

Copper Cables—London, Ont.—Utilities Comm. plans 3 line conduit, and placing section of hydro wires underground. $50,000. E. V. Buchanan, c/o owner, engr.

Wharf—Ottawa, Ont.—Secretary Dept., Pub. Wks. soon takes bids new wharf, on Rideau Canal, for Dominion Govt. $25,000. A. K. Cameron, Dept. Pub. Wks., engr.

Wharf, etc. — Toronto, Ont. — Canada Steamship Lines Ltd., foot of Yonge St., plans concrete wharf and warehouses, Queens Quay, between York and Yonge Sts. $1,000,000. Carswell Constr. Co., Ltd., 58 Wellington St. E., engrs.

Bids Desired

Electrical Work—Buffalo, N. Y.—Mar. 30, by Commissioner Mental Hygiene, Dept. Mental Hygiene, Albany, electrical work, rewiring buildings, etc., at Buffalo State Hospital, here. S. W. Jones, Capitol, Albany, state archt.; adv. E. N.-R. Mar. 3.

Signal Tower—Flushing, N. Y.—Mar. 14, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, reconstructing signal tower on elevated railroad structure, on Roosevelt Ave. near 114th St., Flushing Route, Route 52, Sect. 1, Queens Boro.

Refrigeration Plant—New York, N. Y.—Mar. 10, by Supt. Standards & Purchase, Executive Dept., Capitol, Albany, refrigeration unit New York House of Refuge, Randall's Island, here; adv. E. N.-R. Feb. 24.

Stadium — Bayonne, N. J. — Mar. 10, by City, rein.-con. stadium, 8,000 seating capacity. $75,000. Osborn Eng. Co., 7016 Euclid Ave., Cleveland, O., engrs. Noted Feb. 24.

Property Improvements—Cleveland, O.—Mar. 21, by Bd. Educ., property improvements at Patrick Henry Junior High School, incl. excavating, masonry walks, steel fence and concrete work. To exceed $25,000.

Transmission Line—Illinois—See "Contracts Awarded."

Lighting System—Galesburg, Ill.—Mar. 9, by Bd. Local Impvts., ornamental lighting system, incl. 2,500 lin.ft., single conductor 8 B and S gauge 2,500 volt steel armored lead covered cable, 16 c.i. poles and foundations for same, 16 series transformers for lamps of 1,000 to 2,500 lumens, 6.6 amp., 16 rippled glass boulevard globes, 16 one hundred C. P. type C, Mazda lamps, 6.6 amp., 192 ft. duplex 10 rubber covered 600 volt wiring for each pole, 1 pole type 3 kva. safety coil transformer and 15 ft. 2½ in. diam. galvanized iron pipe used for conduit. A. L. Richey, City Hall, engr.

Culverts—Knoxville, Ia.—Mar. 18, at office Auditor Marion Co., constructing 17 culverts and extensions. R. T. Johnson, Knoxville, co. engr.

Culverts—Orange City, Ia.—Mar. 8, at office Auditor Sioux Co., constructing 40 box culverts. J. W. Wiersma, Orange City, co. engr.

Lighting System—Los Angeles, Calif.—Mar. 21, by Supervs. Los Angeles Co., ornamental lighting system, Altadena section, Impvt. 588.

Lighting System—Los Angeles, Calif.—Bd. Pub. Wks. taking bids concrete and pressed steel standards on portions 3rd St., Kilkea Dr. and Citrus Ave., etc. To exceed $25,000.

Cables—Oshawa, Ont.—See "Contracts Awarded."

Bids Received

Special Work, etc.—Brooklyn, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, Feb. 25, 13 portions special work for use in construction Coney Island Yard, and Route 8, Sect. 6-D, here, from Bethlehem Steel Co., 25 Bway., New York City, $30,990. Noted Feb. 17.

Fender Racks—New York, N. Y.—New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., Feb. 23, fender racks at Piers 34 and 5, in connection with Holland Tunnel, from A. N. Spooner & Sons, Inc., Pier 11, North River, $10,082. Noted Feb. 24.

Subsurface Structures—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Feb. 25, rerouting subsurface structures at 207th St. Yard of Rapid Transit R.R., from Melrose Constr. Co., 103 East 125th St., $373,000. Noted Feb. 17.

Contracts Awarded

Bowling Alleys—New Britain, Conn.—See "Buildings—Educational, Religious."

Signal Towers — Brooklyn, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, signal towers and gate keepers house, at Coney Island Yard, Avenue X and Shell Rd., here, to Eastern Constr. Co., 110 West 40th St., New York City, $124,755. Noted Feb. 10.

Station Finish — Brooklyn, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, station finish 5 stations on 14th St.-Eastern Rapid Transit R.R., to N. A. Deiser, 296 Fenimore St., $560,000. Noted Feb. 24.

Fire Alarm System—New York, N. Y.—J. J. Dorman, fire comr., Municipal Bldg., portion underground fire alarm system in section bounded by 180th St., Sedgewick Ave., Fordham Rd., and Southern Blvd., Item 1, to W. F. Kenny Co., 44 East 23rd St., $7,584, Item 2, to James Sugden Co., 7 West 44th St., $10,962; also portion underground fire alarm system (feeder cables, 2 and 4), to Standard Underground Cable Co., 50 Church St., $32,281. Grand total $50,827. Noted Feb. 24.

Pipe Line — Baton Rouge, La. — See "Buildings—Industrial."

Docks—Detroit, Mich.—Rebuilding docks, Dredging, relaying and ballasting side tracks, also grading and resurfacing roadways on city property, foot of Leib St., to Lennane & McIlvenna, 7777 West Chicago St. Engrs. est. $30,000.

Transmission Line — Illinois — Illinois Power & Light Corp., 1547 Illinois Merchants Bldg., Chicago, will build 22 mi. 33,000 volt transmission line from Staunton to Stallings, by day labor. Private plans.

Electrical Equipment — Chicago, Ill. — City, Room 406, City Hall, entire electrical equipment for double leaf trunnion bascule bridge over Chicago River, at North La Salle St., to Norwood, Noonan & Co., 450 West Superior St., $54,761. Noted Jan. 20.

Green Houses—Pana, Ill.—Association of Commerce, 28 green houses, to Amling Bros., c/o owners. Engrs. est. $400,000.

Oil Engine Generating Set — Fredonia, Kan. — City Clerk, diesel oil engine generating set, to Worthington Pump & Mchy. Corp., 825 Scarritt Bldg., Kansas City, Mo., $40,684.

Transmission Line and Distributing System—Houston, Tex.—See "Buildings—Industrial."

Cables—Oshawa, Ont.—Bell Telephone Co. of Canada, Ltd., will install underground and overhead cables and pole construction work, by day labor. $53,000. Private plans.

Materials

Proposed Work

Pipe, Valves, Cocks, etc.—Toledo, O.—Passed ordinance authorizing Commissioner Purchases & Supplies to enter into contract with lowest and best bidder, for 75 tons pig lead, 100 tons ¾ in. and 15 tons 1 in. lead pipe, 144 hub end gate valves, 87 hub and spigot valves, 2 hub end hydraulic valves, corporation cocks, etc., for Div. Water, Dept. Pub. Serv.

Bids Desired

Road Oil—Milford, Conn.—Mar. 11, by Bd. Selectmen, 50,000 gal. 45% and 60% asphaltic road oil.

Crushed Stone, etc.—Freehold, N. J.—Mar. 9, by Bd. Freeholders Monmouth Co., Courthouse, crushed stone and slag for 1927; also 150,000 gal. more or less, tar road surface dressing, 200,000 gal. more or less lignin binder, 50 tons calcium chloride in drums. G. K. Allen, Red Bank, co. engr.; adv. E. N.-R. Mar. 3.

Trap Rock, etc. — Jersey City, N. J.—Mar. 7, by Hudson Co. Park Comn., 921 Bergen Ave., 2,600 cu.yd. ¾ in. broken trap rock, dolomite or limestone; and 900 cu. yd. limestone or dolomite screenings, incl. dust. J. Filoramo, Jr., secy.

Chestnut Poles—Richmond, Va.—Mar. 15, at office G. H. Whitfield, dir. Pub. Utilities, chestnut poles; adv. E. N.-R. Mar. 3.

Paving Brick — Michigan — Mar. 8, by State Hy. Dept., Lansing, C. D. Betts, buyer State Administrative Bd., 10,000 paving bricks.

Road Signs, Steel Posts, etc. — Iowa — Mar. 22, by State Hy. Comn., Ames, road signs, steel posts, bolts, brackets, etc.; adv. E. N.-R. Mar. 3.

Culvert Pipe—Ft. Dodge, Ia.—Mar. 8, at office Auditor Webster Co., furnishing 6,000 ft. culvert pipe. G. Burnet, Ft. Dodge, co. engr.

Bridge Lumber, etc.—Ida Grove, Ia.—Mar. 9, at office Auditor Ida Co., 72,000 ft. fir lumber, and 26,000 ft. creosoted yellow pine. G. S. Witters, Ida Grove, co. engr.

Culvert Pipe—Knoxville, Ia.—Mar. 18, at office Auditor Marion Co., 1 car corrugated culvert pipe. R. T. Johnson, Knoxville, co. engr.

Road Oil—Minneapolis, Minn.—Mar. 10, by F. S. Gram, city purch. agt., 2.5 m.g. road oil. N. W. Elsberg, city engr.

Bridge Lumber, etc.—Pocahontas, Ia.—Mar. 8, at office Auditor Pocahontas Co., 118,944 ft. fir bridge lumber, 1 car each red cedar and cypress piling.

Portable Culverts—Rochester, Minn.—Mar. 9, by A. L. Glabe, aud. Olmstead Co., 1,000 ft. each of 12, 15 and 18 in., 500 ft. each of 24 and 30 in., also 200 ft. 36 in. portable culverts.

Road and Fuel Oil—St. Paul, Minn.—Mar. 8, by F. S. Gram, city purch. agt., 800,000 gal. road, and 70,000 gal. fuel oil. G. M. Shepard, city engr.

Granite Blocks and Broom Bass — Montreal, Que. — Mar. 8, by Executive Com., 100,000 granite blocks, and 12 tons broom bass. H. A. Treaulaet, Montreal, engr.

Stone and Gravel, etc.—Toronto, Ont.—Mar. 11, by R. W. Phillips, secy. Toronto & York Roads Comn., 57 Adelaide St. E., stone and gravel; surface treatment; bituminous material; and calcium chloride, $40,000.

Bids Received

Iron Boxes—Boston, Mass.—City Supply Dept., 325,000 lb. two part iron boxes for Water Serv., Pub. Wks. Dept., from E. L. LeBaron Fdry. Co., Brockton, $0.0445 per lb.

Stone Ballast — Boston, Mass. — Transit Dept., 1 Beacon St., Boston, Feb. 23, 5,000 tons stone ballast to George St. Yard, Boston Elevated Ry., Somerville, from Rowe Contg. Co., North Revere St., Malden, at $1.85 per ton; and 5,000 tons for Dorchester Rapid Transit between Dorchester and Crescent Aves., Dorchester, from W. J. Barry, 431 Ashland St., Rosindale, $2.25 per ton. Noted Feb. 17.

Paving Materials—St. Paul, Minn.—A. E. Eggert, city purch. agt., 800 sq.yd. sandstone paving blocks, from Sandstone Quarries Co., 406 Baker Bldg., Minneapolis, at $2.74 per sq.yd.; also 550 sq.yd. 3 in. and 2.5 in. vertical fibre paving brick, from Streator Clay Mfg. Co., Streator, Ill., and Purington Paving Brick Co., Galesburg, Ill., each bid $1.61 and $1.26 per sq.yd. respectively. Noted Feb. 10.

Contracts Awarded

Arch Brick — Baltimore, Md. — Bd. Awards, arch brick to Bureau Water Supply, to Excelsior Brick Co., Benson Ave., $4,770. Noted Feb. 3.

Oil Asphalt—Detroit, Mich.—Dept. Pub. Wks., City Hall, 20,000 tons oil asphalt as required in bulk or packages, to Standard Oil Co. of Indiana, 1011 4th St. at $20.65 per ton in bulk, and $24.65 per ton in drums.

Road Oil—Winona, Minn.—G. W. Hofmann, city clk., 170,000-200,000 gal. bituminous road oil, to Standard Oil Co., 3rd and Commercial Sts., St. Paul, at $0.0599 per gal. Noted Jan. 20.

Sewer Pipe—Toronto, Ont.—T. Foster, mayor, City Hall, to J. E. Russell Co., Reford Bldg., 2,680 lin.ft. 54 in. diam. concrete sewer pipe at $9 per ft., and ¾

Special proposal advertising on page 178

Constr. News page 145

Engineering News-Record Unit Prices

Engineering News-Record wants to make this unit-cost section of the greatest usefulness. You *are invited to co-operate by sending us lists of unit prices on jobs with which you are connected.*
Construction News-Editor, Engineering News-Record, Tenth Ave. at 36th St., New York, N. Y.

Unit Price Lists Published in February, 1927

		Issue of
Bridge	Virginia	Feb. 3
Bridge	Virginia	Feb. 10
Bridge	Virginia	Feb. 17
Bridge	Florida	Feb. 24
Bridge	Kansas	Feb. 24
Dam	San Diego, Calif.	Feb. 24
Dredging	Buffalo, N. Y	Feb. 24
Paving	Seattle, Wash	Feb. 17
Paving	Boston, Mass.	Feb. 17
Paving	Lyons, Neb	Feb. 24
Road work	Idaho	Feb. 3
Road work	Florida	Feb. 3
Road work	Virginia	Feb. 3
Road work	Massachusetts	Feb. 10
Road work	Delaware	Feb. 17
Road work	Sacramento, Calif.	Feb. 17
Road work	Florida	Feb. 17
Road work	Arizona	Feb. 17
Road work	Virginia	Feb. 17
Road work	Kansas	Feb. 24
Road work	Massachusetts	Feb. 24
Road work	Kentucky	Feb. 24
Sewer	Akron, Ohio	Feb. 3
Sewers	Santa Cruz, Calif.	Feb. 3
Sewer	Akron, Ohio	Feb. 10
Sewer	Philadelphia, Pa.	Feb. 10
Sewer	Akron, Ohio	Feb. 17
Sewer	Detroit, Mich	Feb. 17
Sewer	Detroit, Mich	Feb. 24
Sewage treatment works	Chicago, Ill	Feb. 17
Tunnel	Chattanooga, Tenn	Feb. 10
Water-works	Eldorado, Kan	Feb. 24

Bridge—Kentucky

Bids were opened by State Highway Department, Frankfort, Feb. 17, for constructing Camp Nelson Bridge on Lancaster-Nicholasville Rd., S. P. 23-A, Garrard and Jessamine Counties, from (A) A. M. Cook & Co., Wortburg, Tenn.; (B) Jennings & Graham, Louisville; (C) Clarke, Stewart & Wood Co., Lexington; (D) Atlantic Bridge Co., Greensboro, N. C. The unit bids are as follows:

	A	B	C	D
1,653 cu.yd. concrete—class A	$24.00	$26.50	$25.70	$28.00
22.9 cu.yd. concrete—Class D	60.00	50.00	55.00	80.00
192,800 lb. reinforcing steel	.06	.06	.05½	.05
1,221 sq.yd. wearing surface (floor)	1.90	1.50	1.50	1.50
3,768 lin.ft. creosoted timber piling	2.00	1.50	1.30	1.00
971 cu.yd. excavation—Dry common	1.00	1.00	3.00	3.80
346 cu.yd. excavation—Wet common	3.00	3.50	6.00	8.50
176 cu.yd excavation—Dry rock	5.00	3.00	7.00	4.00
39 cu.yd. excavation—Wet rock	6.00	4.00	10.00	15.00
1,888 lb. bronze plates	.60	.40	.45	.45
Totals	$66,726	$67,622	$68,215	$72,125

Water System—Specialville, Ill.

Bids were opened by Village, Jan. 7, for installing water system, from (A) Dowdle Bros. Co., 77 West Washington St., Chicago, (awarded contract); (B) Pronger Bros., Blue Island. The unit bids are as follows:

	A	B
264 lin.ft. 20 in. c. i. pipe	$8.75	$10.50
369 lin ft. 18 in. c. i. pipe	7.90	8.60
1,321 lin.ft. 16 in. c. i. pipe	6.50	6.65
3,602 lin.ft. 10 in. c. i. pipe	3.27	4.50
15,609 lin.ft. 8 in. c. i. pipe	2.32	3.00
62,104 lin.ft. 6 in. c. i. pipe	2.24	2.10
2 10 in. double gate valves	85.00	100.00
15 8 in. double gate valves	65.00	70.00
94 6 in. double gate valves	50.00	40.00
186 fire hydrants	165.00	170.00
Totals	$229,936	$235,339

Rubble Wall—Boston, Mass.

Bids were opened by City, Nov. 29, 1926, for constructing rubble wall on Morton Street from Morton Rd. to Canterbury Street, from (A) J. A. Singarella, 110 High St., (awarded contract); (B) M. DeMatteo, 14 Rowe Pl.; (C) J. C. Coleman & Sons, 1620 Tremont St.; (D) M. Solimando, 27 School St.; (E) M. F. Gaddis, 6 Beacon St. The unit bids are as follows:

	A	B	C	D	E
Rubble wall (lump sum)	$12,600.00	$15,000.00	$15,300.00	$15,440.00	$22,000.00
100 cu.yd. rock excavation	7.00	2.50	4.00	8.00	4.00
100 cu.yd. sloping excavation	2.00	.75	1.00	1.60	1.50
Wages for laborers per hour	.65	.65	P.R.	.65	.65
Totals	$13,500	$15,325	$15,800	$16,400	$22,550

Paving—Syracuse, N. Y.

Bids were opened by Board of Contract & Supply, Jan. 31, for paving Comstock Ave. from Euclid Ave. to Colvin St., from (A) Dale Engineering Co., Utica; (B) Brayer Bros., Auburn; (C) Dickinson Co., Syracuse; (D) Rago Bros., Syracuse; (E) Gallups Co., Syracuse; (F) Andrews Paving Co.; (G) Hookway Co., Syracuse. The unit bids are as follows:

	A	B	C	D	E	F	G
Uniform items	$4,772.00	$4,853.50	$3,896.50	$4,660.80	$5,821.00	$5,352.50	$5,446.00
18,310 sq.yd. vit. brick paving	5.05	5.58	.....	.....	.....	4.98	.....
18,310 sq.yd. Pet. asphalt paving	3.24	3.39	2.87	2.93	3.20	3.16	3.30
18,310 sq.yd. nat. lake asphalt paving	3.39	3.59	3.02	3.08	3.35	3.29	3.40
18,310 sq.yd. bit. con. (Pet. asphalt paving)	3.14	5.03	2.72	2.78	3.15	2.88	3.25
18,310 sq.yd. bit. con. (nat. lake asphalt) paving	3.29	3.43	2.87	2.93	3.30	2.98	3.30
18,310 sq.yd. grading	.32	.85	.21	.38	.40	.33	.32
10 sq.yd. vitr. brick surface	3.50	3.75	.....	.....	.....	3.50	.....
20 sq.yd. vitr. brick (relaid)	3.00	2.00	.....	.....	.....	3.00	.....
320 lin.ft. curved stone curb	720.00	2.50	2.05	2.03	784.00	3.00	2.40
8,640 lin.ft. straight stone curb	17,280.00	1.85	1.80	1.78	18,756.00	1.90	2.00
320 lin.ft. curved granite curb	758.40	2.50	2.20	2.25	800.00	3.18	2.50
8,640 lin.ft. straight granite curb	18,144.00	2.08	2.06	2.03	19,008.00	2.15	2.15
Extended totals with stone curb (brick)	$121,142	$139,448	.....	.....	.....	$119,867	.....
Extended totals with granite curb (brick)	122,044	141,436	.....	.....	.....	122,084	.....
Extended totals with stone curb (Pet. asp.)	87,539	97,441	$76,499	$79,465	$91,107	86,630	$89,776
Extended totals with granite curb (Pet. asp.)	88,442	99,428	78,794	81,695	91,555	88,848	91,104
Extended totals with stone curb (nat. lake)	90,297	101,131	79,257	82,233	93,870	89,025	91,607
Extended totals with stone curb (bit. con.—Pet. asp.)	85,708	92,680	73,570	76,352	89,825	80,954	87,579

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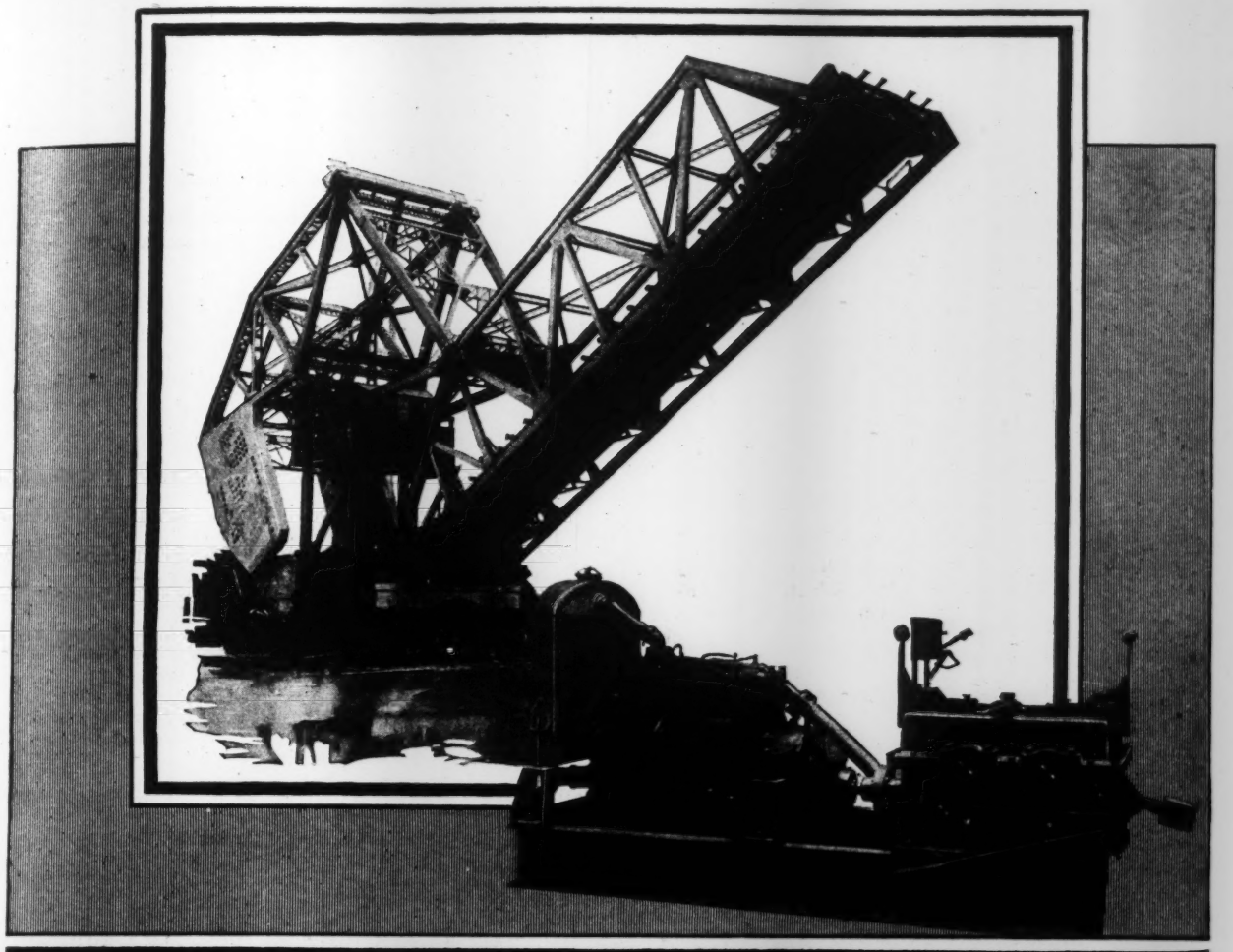

HERCULES

When the Earle Gear and Machine Co., of Philadelphia, Penna., builders of Bridge Operating Power Units, chose Hercules Engines they did it because;

Hercules, being simple and compact, always permits of a simpler, more compact complete mechanism;

Hercules, being dependable, insures a rugged, dependable operating unit under the most severe operating conditions.

So it is natural that in every industry engineers and operators are specifying "Power by Hercules".

HERCULES MOTORS CORPORATION, CANTON, OHIO, U. S. A.

ENGINES

Engineering News-Record Unit Prices

Road Work—Massachusetts

Bids were opened by State Highway Commission, Boston, Dec. 14, (lowest three), for constructing highway in Attleborough, from (A) Carlo Bianchi & Co., Inc., Framingham, (awarded contract); (B) T. J. Quinn, Ashton, R. I.; (C) Timothy F. Sullivan, Providence. The unit bids are as follows:

	A	B	C
25,000 cu.yd. roadway earth excavation	$0.90	$0.85	$0.90
465 cu.yd. bridge excavation	4.00	3.00	6.00
250 cu.yd. ledge excavation	4.00	3.00	5.00
24,000 cu.yd. borrow	1.10	1.00	1.00
34 cu.yd. plain concrete masonry 1-2½-5	20.00	25.00	20.00
266 cu.yd. reinforced concrete masonry	32.00	30.00	30.00
16,200 tons broken stone for base course	2.75	3.00	3.00
150,000 gal. bituminous material asphalt	.14	.13	.13
780 lin.ft. 10 in. pipe c.i.	3.50	4.00	2.00
174 lin.ft. 12 in. pipe c. i	4.00	4.50	2.50
74 lin.ft. 18 in. pipe rein. con	4.00	2.75	2.25
1,070 lin.ft. 10 in. pipe vit. clay	1.00	1.40	1.00
1,260 lin.ft. 12 in. pipe vit. clay	1.10	1.70	1.25
416 lin.ft. 15 in. pipe vit. clay	1.25	1.90	1.50
4,432 lin.ft. fencing	.60	.70	.80
152 bounds	5.00	4.00	7.00
26 catch basins	100.00	70.00	80.00
6.5 tons bituminous concrete surfacing	15.00	15.00	20.00
14 curb inlets	30.00	25.00	25.00
410 cu.yd. rip rap	4.00	7.00	5.00
131 removal trees	15.00	10.00	10.00
16,945 cu.yd. gravel borrow	1.20	1.15	1.50
1,630 cu.yd. stripping gravel pits	.20	.20	.20
9 cu.yd. rein. conc. B. fence and post	100.00	100.00	75.00
227 cu.yd. rubble conc. masonry	12.00	12.00	16.00
20 cu.yd. dry rubble masonry	10.00	6.00	12.00
1,500 lin.ft. timber piles	.75	1.25	.80
800 lin.ft. straight stone curbing	2.10	1.75	2.00
8 manholes	100.00	100.00	100.00
36 rem. and resetting bounds	5.00	4.00	7.00
5.5 M lumber sheeting	200.00	140.00	30.00
5,200 lin.ft. reform and trim shoulders	.05	.05	.05
26 cu.yd. exc. for bank wall	3.00	1.50	5.00
9,200 tons broken stone for sur. cour.	2.75	3.00	3.00
70 lin.ft. 15 in rein. conc. pipe	3.25	2.50	2.50
220 lin.ft. 24 in. rein. conc. pipe	4.00	6.00	4.00
3,110 lin.ft. curved stone curbing	2.65	2.50	2.50
660 lin.ft. cub st. rem. store and res	1.00	.75	.50
4,200 sq.ft. sodding	.10	.15	.10
10,500 sq.yd. seeding	.07	.10	.05
3 M brick		5.00	
210 cu.yd. granite block pav. with conc. foun		50.00	
8 cu.yd. plain conc. mas. 1-2-4		7.00	
2,200 cu.yd. loam exc. stack reh. and sp		27.00	
220 gal. asp. for mop. B. floors		1.50	
700 lb. extra reinforcement	.60	.30	.50
275 cu.yd. channel excavation	.07	.06	.08
401 cu.yd. stone mas. rub. conc. backing	3.00	2.00	3.00
	12.00	15.00	25.00
Totals	$226,466	$227,244	$235,449

Road Work—Santa Rosa, Calif.

Bids were opened by Commissioners of Sonoma Co., Jan. 20, (lowest four) for constructing Pocket Canyon-Gureneville Highway, from (A) Heafey-Moore Co., 344 High St., Oakland, (awarded contract); (B) Englehart Paving & Construction Co., Eureka; (C) W. A. Dotanville, Salinas;. (D) M. J. Bevanda, Manteca, $119,250. The unit bids are as follows:

	A	B	C	D
3,860 cu.yd. solid rock excavation	$1.20	$0.70	$1.50	$1.15
14,153 cu.yd. common excavation	.625	.60	.62	.65
4,200 cu.yd. sta. overnaul	.01	.01	.02	.02
485,283 sq.ft. prepare subgrade	.01	.01	.01	.015
878 ft. 12 in. corru. culvert	1.95	1.50	1.90	2.00
70 ft. 15 in. corru. culvert	2.35	2.00	2.20	2.40
157 ft. 18 in. corru. culvert	2.90	2.50	2.75	3.00
70 ft. 24 in. corru. culvert	3.55	3.50	3.55	3.75
50 ft. 36 in. corru. culvert	7.10	5.00	7.15	7.60
483,448 sq.ft. 5-7 in. conc. pavement	.17	.185	.179	.18
1,835 sq.ft. 7 in. conc. pavement	.20	.25	.24	.24
26,994 sq.ft. paint traffic strip	.01	.01	.015	.15
198 cu.yd. rein. conc. (structures)	24.50	24.00	26.00	24.00
58 cu.yd. plain conc. (structures)	20.00	20.00	22.00	21.00
4,453 lin.ft. fence	.14	.15	.14	.15
1,016 lin.ft. guard rail	.55	.50	.85	.65
32 headwall guard posts	.70	.50	1.00	.75
Totals	$111,267	$115,725	$117,718	$119,250

Road Work—Kansas

Bids were opened by State Highway Commission, Jan. 28, (lowest four and highest), for constructing Golden Belt Road, F. A. P. 327, Sect. C, Riley Co.. from (A) Yancey Construction Co., Abilene, (awarded contract); (B) Hall-Hardman Co., Alton; (C) Walter Stingley, Manhattan; (D) A. L. Cook, Ottawa; (E) Monarch Engineering Co., Falls City, Neb. The unit bids are as follows:

	A	B	C	D	E
41,482.8 cu.yd. earth excavation	$0.28	$0.34	$0.48	$0.34	$0.32
9,568.2 cu.yd. borrow excavation	.27	.34	.50	.30	.25
12,531.2 cu.yd. rock excavation	1.40	1.30	1.48	1.60	1.70
574.6 cu.yd. class "A" concrete	22.00	21.00	20.00	21.00	21.00
7.6 cu.yd. class "E" concrete	40.00	40.00	30.00	36.00	40.00
75.0 sq.yd. plain rip-rap	2.75	1.60	1.00	3.00	2.50
48,981 lb. rein. steel, in place	0.05½	0.05	0.05	0.05	0.05½
24 lin.ft. 15-in. c.m. pipe	3.00	1.90	2.00	2.00	2.75
32 lin.ft 18-in. c.m. pipe	3.50	2.20	2.50	2.25	3.75
104 lin.ft. 24-in. c.m. pipe	4.25	2.80	3.00	2.75	5.00
7,670 lin.ft. mesh guard fence	0.85	0.75	0.60	0.80	0.95
2,748.4 cu.yd. dry rubble, ret. wall	3.00	3.30	1.00	4.00	7.20
Totals	$62,978	$63,817	$65,276	$69,574	$80,003

Sewers—Chicago, Ill.

Bids were opened by Board of Local Improvements, Feb. 2, (lowest four and highest) for installing system of concrete and tile pipe sewers in Cicero Ave. from 39th to 59th Streets, from (A) Underground Construction Co., 130 North Wells St., (awarded contract); (B) M. Pontarelli; (C) Louis Scully; (D) P. J. McNulty Co.; (E) Ole Scully. The unit bids are as follows:

	Av. Depth		A	B	C	D	E
720 ft., 7½x9 ft.	26 ft.	Cicero Avenue	$79.00	$110.00	$80.00	$100.00	$100.00
720 ft., 7½x9 ft.	19 ft.	Cicero Avenue	38.00	90.00	50.00	100.00	100.00
2,670 ft., 8 ft.	18½ ft.	Cicero Avenue	30.50	30.00	35.00	33.00	45.00
2,670 ft., 7½ ft.	17 ft.	Cicero Avenue	28.00	25.00	30.00	30.00	35.00
2,670 ft., 6½ ft.	21 ft.	Cicero Avenue	28.00	20.00	30.00	28.00	30.00
2,010 ft., 5½ ft.	20½ ft.	Cicero Avenue	23.50	15.00	20.00	25.00	22.00
1,330 ft., 5 ft.	13½ ft.	50th Street	16.50	14.00	18.00	20.00	18.00
1,010 ft., 4½ ft.	12 ft.	50th Street	14.50	11.00	15.00	16.00	15.00
1,560 ft., 3 ft.	13 ft.	Lavergne Avenue	12.50	7.00	10.00	9.00	10.00
670 ft., 3½ ft.	11½ ft.	Leamington Avenue	11.00	8.00	10.00	10.00	11.00
340 ft., 3½ ft.	11 ft.	51st Street	11.00	8.00	10.00	10.00	11.00
670 ft., 3 ft. D. S.	12 ft.	Laramie Avenue	10.00	7.00	10.00	9.00	10.00
470 ft., 2½ ft. D. S.	13 ft.	Laramie Avenue	14.00	6.00	8.00	6.00	7.00
1,560 ft., 2 ft.	12 ft.	Laramie Avenue	7.50	4.00	5.00	5.00	5.00
620 ft., 4½ ft.	14 ft.	51st Street	13.50	11.00	15.00	16.00	15.00
710 ft., 4 ft.	12½ ft.	51st Street	18.00	10.00	12.00	13.00	13.00
630 ft., 3½ ft.	12 ft.	51st Street	12.00	8.00	10.00	10.00	11.00
330 ft., 2½ ft.	12 ft.	51st Street	8.50	6.00	9.00	8.00	8.00
1,340 ft., 3½ ft.	16½ ft.	55th Street	12.00	10.00	10.00	10.00	11.00
1,340 ft., 4 ft.	18½ ft.	55th Street	17.00	12.00	12.00	13.00	13.00
1,380 ft., 4 ft.	18 ft.	55th Street	13.50	12.00	12.00	13.00	13.00
630 ft., 3½ ft.	16 ft.	55th Street	12.00	11.00	10.00	10.00	11.00
340 ft., 2½ ft.	15 ft.	55th Street	10.00	8.00	9.00	8.00	8.00
90 manholes			100.00	90.00	90.00	80.00	85.00
181 catch basins			85.00	90.00	70.00	75.00	75.00
1 temporary wooden flume (lump sum)			5,000.00	15,000.00	8,000.00	3,000.00	6,000.00
1 concrete bulkhead (lump sum)			14,000.00	15,000.00	6,000.00	2,500.00	3,000.00
100 sq.yd. 8 in. concrete replaced			5.00	3.00	6.00	4.60	4.00
200 cu.yd. Mac. pav'mt rolled and compacted			4.00	6.00	2.00	6.00	4.00
25,000 cu.yd. surplus exc. removed			.60	2.00	1.50	1.00	2.00
Totals			$614,935	$619,950	$627,010	$660,315	$735,535

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